

Fecha _____

SI 250924095 93 211

Número de Solicitud _____

I. Datos del Solicitante

Nombre, Denominación o Razón Social: **SAN PEDRO MARTINEZ TOMAS MARCEL**

Domicilio Calle: **AMAPOLAS** Número exterior: **619 A** Número Interior: **N/A** Código Postal: **68050**

Colonia/Población: **REFORMA** Delegación/Municipio: **OAXACA DE JUAREZ** Estado: **OAXACA**

Teléfono: **951199735** Correo Electrónico: **Tomasfacturacion@hotmail.com** Fax: _____

II. Datos de Contacto

Nombre: **EUNICE MIJANGOS ORTIZ** Puesto: **GESTOR**

Domicilio Calle: **TEPOSCOLULA** Número exterior: **#300** Número Interior: **S/N** Código Postal: **68144**

Colonia/Población: **ESTADO DE OAXACA** Delegación/Municipio: **OAXACA DE JUAREZ** Estado: **OAXACA**

Teléfono: **(951) 111 33 73** Correo Electrónico: **agenciadeenergiadp@gmail.com** Fax: _____

III. Datos de la Solicitud

Modalidad de la Solicitud: **Baja Tensión** ☒ **Media Tensión** ☐

IV. Utilización de la Energía Eléctrica Producida

Consumo de Centros de Carga: ☒ Consumo de Centros de Carga y Venta de Excedentes: ☐ Venta Total: ☐

V. Datos del Servicio Suministro Actual

Registro Público de Usuario (RPU): **679891006881** Nivel de Tensión de Suministro: **220 V**

VI. Central Eléctrica

Fecha estimada de Operación Normal (DD/MM/AAAA): **08/10/2025** Capacidad Bruta Instalada (Kw): **9.6 kW** Capacidad a Incrementar (kw) (Opcional): _____ Generación Promedio Mensual Estimada (kwh/Mes): **1130.97 kWh/mes**

VII. Manifestación de Cumplimiento de las Especificaciones Técnicas Generales

Manifiesto bajo protesta de decir la verdad que la Central Eléctrica cumple con las Especificaciones técnicas requeridas de acuerdo las disposiciones aplicables. ☒

Tecnología para generación de energía eléctrica

Solar: ☒ Biomasa: ☐ Otro: ☐

Eólico: ☐ Cogeneración: ☐ Especificar: _____

No de unidades de generación: **15 MODULOS** Combustible principal: **SOL** Combustible secundario: **N/A**

Coordenadas UTM	X	Y
1	17.0761111	-96.713394
2		
3		
4		
5		
6		

SAN PEDRO MARTINEZ TOMAS MARCEL

(Representante Legal o El Solicitante) (El Solicitante) certifica que la

Información proporcionada en la presente solicitud es apropiada, precisa y verídica. El solicitante acepta que los datos proporcionados sean utilizados para llevar a cabo los Estudios de Interconexión para garantizar la confiabilidad del Sistema Eléctrico Nacional con la Interconexión de la Central Eléctrica del solicitante al amparo de la Ley de la Industria Eléctrica y su Reglamento, en caso de ser requeridos.

El solicitante entiende que los datos proporcionados, se añadirán a las bases de datos del suministrador cuando se firme un contrato de interconexión respectivo. El solicitante deberá anexa a la presente solicitud, la información técnica requerida en el documento "Información Técnica Requerida para Centrales Eléctricas"

Firma de Conformidad



Solicitante

Nombre: **SAN PEDRO MARTINEZ TOMAS MARCEL**
Cargo: **PROPIETARIO**
Fecha: **08/10/2025**



sello y firma
Centro de Atención **24/09/25**

CARTA PODER

OAXACA DE JUÁREZ, OAXACA

A COMISIÓN FEDERAL DE ELECTRICIDAD.

Suministro de Servicios Básicos

P R E S E N T E

Por medio de la presente me permito informarle que no está en mis posibilidades realizar los trámites correspondientes y otros de mi servicio, por tal motivo otorgó a la C. MIJANGOS ORTIZ EUNICE poder amplio y cumplido, para que en mi nombre y representación pueda realizar todas las gestiones que se necesiten para cambios de titular, tarifas, incremento de demanda contratada, solicitudes, modificaciones y trámites que se requieran en lo subsecuente y hasta iniciar y finalizar el proceso de interconexión, relacionado con mi servicio ante la COMISIÓN FEDERAL DE ELÉCTRICIDAD, en el inmueble con dirección en AMAPOLAS 619A COL REFORMA C.P. 68050 OAXACA DE JUAREZ, OAX y número de servicio: 679891006881.

Acepto el poder

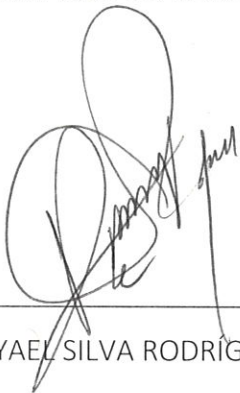


C. MIJANGOS ORTIZ EUNICE

Otorgante



C. SANPEDRO MARTINEZ TOMAS MARCEL



C. Yael SILVA RODRIGUEZ

TESTIGOS



C. RAUL REYES HERNÁNDEZ

CROQUIS



Dirección: AMAPOLAS 619A COL REFORMA C.P. 68050 OAXACA DE JUAREZ, OAX

Coordenadas: 17.0761111,-96.713394



MEXICO INSTITUTO NACIONAL ELECTORAL
CREDENCIAL PARA VOTAR



NOMBRE
SANPEDRO
MARTINEZ
TOMAS MARCELINO

SEXO H

DOMICILIO
C AMAPOLAS 619
COL REFORMA 68050
OAXACA DE JUAREZ, OAX.

CLAVE DE ELECTOR SNMRTM56012820H700

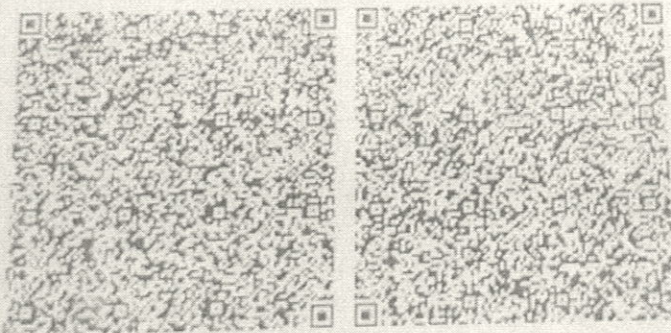
CURP
SAMT560128HOCNRM09

AÑO DE REGISTRO
1997 02

FECHA DE NACIMIENTO
28/01/1956

SECCIÓN
0533

VIGENCIA
2020 - 2030



5001571

[Signature]
SECRETARIO EJECUTIVO DEL
INSTITUTO NACIONAL ELECTORAL

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5601284H3012316MEX<02<<25627<6
SANPEDRO<MARTINEZ<<TOMAS<MARCE

 MÉXICO INSTITUTO NACIONAL ELECTORAL
CREDENCIAL PARA VOTAR

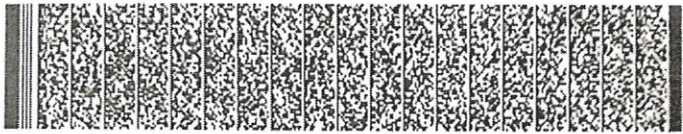


NOMBRE
MIJANGOS
ORTIZ
EUNICE
DOMICILIO
PROL SALVADOR 204
COL SANTA MARIA IXCOTEL 71228
SANTA LUCIA DEL CAMINO, OAX.
CLAVE DE ELECTOR MJOEN00012720M900
CURP MIOE000127MOCJRNA5 AÑO DE REGISTRO 2017 00
ESTADO 20 MUNICIPIO 392 SECCIÓN 1756
LOCALIDAD 0001 EMISIÓN 2017 VIGENCIA 2027

FECHA DE NACIMIENTO
27/01/2000
SEXO M



 ELECCIONES FEDERALES LOCALS PARA IDENTIFICACIÓN 

  
EDMUNDO GONZALEZ MORA
SECRETARIO GENERAL DEL
INSTITUTO NACIONAL ELECTORAL

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MIJANGOS<ORTIZ<<EUNICE<<<<<<<<



MÉXICO

INSTITUTO NACIONAL ELECTORAL
CREDENCIAL PARA VOTAR



NOMBRE
SILVA
RODRIGUEZ
Yael

SEXO M



DOMICILIO
C LAGO ASSALE 3 A
FRACC VALLE REAL 74367
ATLIXCO, PUE.

CLAVE DE ELECTOR SLRDYL95110320M900

CURP
SIRY951103MOCCLDL05

AÑO DE REGISTRO
2014 03

FECHA DE NACIMIENTO
03/11/1995

SECCIÓN
0208

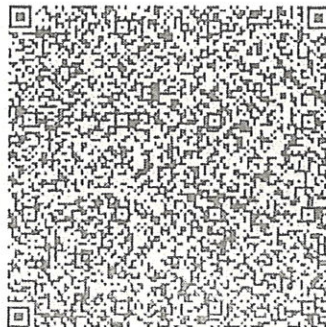
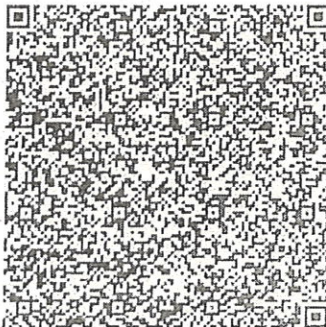
VIGENCIA
2023 - 2033



ELECCIONES FEDERALES

LOCALES Y EXTRAORDINARIAS

INE



E007162

EDMUNDO JACOSO MOLINA
SECRETARIO EJECUTIVO DEL
INSTITUTO NACIONAL ELECTORAL

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SILVA<RODRIGUEZ<<Yael<<<<<<<<<<



MÉXICO

INSTITUTO NACIONAL ELECTORAL CREDENCIAL PARA VOTAR



NOMBRE
REYES
HERNANDEZ
RAUL

SEXO H

DOMICILIO
C NIÑOS HEROES 107
COL EMILIANO ZAPATA 64390
MONTERREY, N.L.

CLAVE DE ELECTOR RYHRRL96072720H400

CURP
REHR960727HOCYRL09

AÑO DE REGISTRO
2014 02

FECHA DE NACIMIENTO
27/07/1996

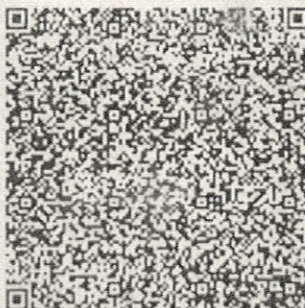
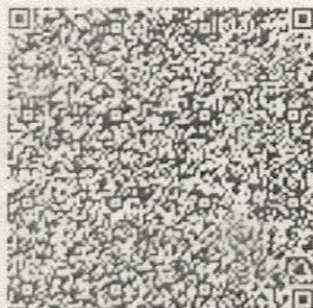
SECCIÓN
1037

VIGENCIA
2019 - 2029



ELECCIONES FEDERALES

ELECCIONES ESTADUALES



C000343

EDMUND JACOBO MOCHÁN
SECRETARIO EJECUTIVO DEL
INSTITUTO NACIONAL ELECTORAL

IDMEX2001075520<<1037098603201
9607273H2912316MEX<02<<38143<9
REYES<HERNANDEZ<<RAUL<<<<<<<<<

CÉDULA DE IDENTIFICACIÓN FISCAL



Hacienda
Secretaría de Hacienda y Crédito Público



SAT

SERVICIO DE ADMINISTRACIÓN TRIBUTARIA



SAMT560128NK9
Registro Federal de Contribuyentes

TOMAS MARCELINO SANPEDRO
MARTINEZ
Nombre, denominación o razón
social

idCIF: 15070496249
VALIDA TU INFORMACIÓN
FISCAL

CONSTANCIA DE SITUACIÓN FISCAL

Lugar y Fecha de Emisión
**OAXACA DE JUAREZ , OAXACA A 17 DE
SEPTIEMBRE DE 2025**



SAMT560128NK9

Datos de Identificación del Contribuyente:

RFC:	SAMT560128NK9
CURP:	SAMT560128HOCNRM09
Nombre (s):	TOMAS MARCELINO
Primer Apellido:	SANPEDRO
Segundo Apellido:	MARTINEZ
Fecha inicio de operaciones:	01 DE ENERO DE 1991
Estatus en el padrón:	ACTIVO
Fecha de último cambio de estado:	01 DE ENERO DE 1991
Nombre Comercial:	

Datos del domicilio registrado

Código Postal:68050	Tipo de Vialidad: CALLE
Nombre de Vialidad: AMAPOLAS	Número Exterior: 619
Número Interior:	Nombre de la Colonia: REFORMA
Nombre de la Localidad: OAXACA	Nombre del Municipio o Demarcación Territorial: OAXACA DE JUAREZ
Nombre de la Entidad Federativa: OAXACA	Entre Calle: PALMERAS

Página [1] de [3]



Hacienda
Secretaría de Hacienda y Crédito Público



SAT

SERVICIO DE ADMINISTRACIÓN TRIBUTARIA

Contacto

Av. Hidalgo 77, col. Guerrero, C.P. 06300, Ciudad de México.
Atención telefónica desde cualquier parte del país:
MarcaSAT 55 627 22 728 y para el exterior del país
(+52) 55 627 22 728

Y Calle: BELISARIO DOMINGUEZ

Actividades Económicas:

Orden	Actividad Económica	Porcentaje	Fecha Inicio	Fecha Fin
1	Alquiler de Oficinas y locales comerciales	95	01/01/1991	
2	Asalariado	5	01/06/2015	

Regímenes:

Régimen	Fecha Inicio	Fecha Fin
Régimen de Sueldos y Salarios e Ingresos Asimilados a Salarios	01/02/1996	
Régimen de Arrendamiento	31/03/2002	

Obligaciones:

Descripción de la Obligación	Descripción Vencimiento	Fecha Inicio	Fecha Fin
Declaración anual de ISR. Personas Físicas.	A más tardar el 30 de abril del ejercicio siguiente.	01/01/1991	
Pago definitivo mensual de IVA.	A más tardar el día 17 del mes inmediato posterior al periodo que corresponda.	01/02/1996	
Pago provisional mensual de ISR por arrendamiento de inmuebles PF	A más tardar el día 17 del mes inmediato posterior al periodo que corresponda.	31/03/2002	
Declaración informativa de IVA con la anual de ISR	Conjuntamente con la declaración anual del ejercicio.	31/03/2002	
Declaración de proveedores de IVA	A más tardar el último día del mes inmediato posterior al periodo que corresponda.	01/09/2006	

Sus datos personales son incorporados y protegidos en los sistemas del SAT, de conformidad con los Lineamientos de Protección de Datos Personales y con diversas disposiciones fiscales y legales sobre confidencialidad y protección de datos, a fin de ejercer las facultades conferidas a la autoridad fiscal.

Si desea modificar o corregir sus datos personales, puede acudir a cualquier Módulo de Servicios Tributarios y/o a través de la dirección <http://sat.gob.mx>

"La corrupción tiene consecuencias ¡denúnciala! Si conoces algún posible acto de corrupción o delito presenta una queja o denuncia a través de: www.sat.gob.mx, denuncias@sat.gob.mx, desde México: (55) 8852 2222, desde el extranjero: + 55 8852 2222, SAT móvil o www.gob.mx/sfp".

Cadena Original Sello:

||2025/09/17 13:22:39|SAMT560128NK9|CONSTANCIA DE SITUACIÓN FISCAL|200001088888800000031|U2FsdGVkX18J1jVIsUWCwtGJwUohbsxCqWY82DsHml0vdwAjudy7D+H8K ukw2S6||

Sello Digital:

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Página [2] de [3]



Contacto

Av. Hidalgo 77, col. Guerrero, C.P. 06300, Ciudad de México.
Atención telefónica desde cualquier parte del país:
MarcaSAT 55 627 22 728 y para el exterior del país
(+52) 55 627 22 728



Comisión Federal de Electricidad®

Comisión Federal de Electricidad
Av. Paseo de la Reforma 164, Col. Juárez,
Alcaldía: Cuauhtémoc, Código Postal: 06600,
Ciudad de México. RFC: CFE370814Q10

SANPEDRO MARTINEZ TOMAS MARCEL

AMAPOLAS 619 A COL REFORMA

REFORMA U #C.P.68050
OAXACA DE JUAREZ, OA,OAX

NO. DE SERVICIO:679891006881

RMU:68050 89-10-26 XAXX-010101 001 CFE

CUENTA:11DK09A011122560

LÍMITE DE PAGO:23 SEP 25

CORTE A PARTIR:24 SEP 25

TARIFA:1ANO. MEDIDOR:Y429AK

MULTIPLICADOR:1
NO HILOS:2

PERIODO FACTURADO:08 JUL 25-05 SEP 25

TOTAL A PAGAR:

\$3,346

(TRES MIL TRESCIENTOS CUARENTA Y SEIS PESOS M.N.)



Concepto	Lectura actual		Lectura anterior		Total periodo	Precio (MXN)	Subtotal (MXN)
	Medida	X Estimada	Medida	X Estimada			
Energía (kWh)	16,363		15,446		917		
Basico					200	0.973	194.60
Intermedio					100	1.127	112.70
Excedente					617	3.875	2,390.87



Este gráfico refleja tu nivel de consumo. A menor uso, mayor apoyo.

Subtotal ↓

Costos de la energía en el Mercado Eléctrico Mayorista					Desglose del importe a pagar	
Concepto	\$	\$/kW	\$/kWh	Importe (MXN)	Concepto	Importe (MXN)
Suministro	80.22	0.00	0.00	80.22	Energía	2,698.18
Distribución	0.00	0.00	1,116.91	1,116.91	IVA 16%	431.71
Transmisión	0.00	0.00	165.89	165.89	Fac. del Periodo	3,129.89
CENACE	0.00	0.00	5.96	5.96	DAP((2))	215.85
Energía	0.00	0.00	788.62	788.62	Adeudo Anterior	3,259.84
Capacidad	0.00	0.00	492.43	492.43	Su Pago	-3,259.00
SCnMEM(1)	0.00	0.00	5.69	5.69	Total	3,346.58

Fecha, hora y lugar de impresión:13/09/2025 12:35:07hrsCalle ReformaNo.701Col CentroOaxacaOaxacaMexicoCP 68000

(1) SCnMEM: Costos relacionados con los servicios del Mercado. (2) DAP: Derecho al Alumbrado Público. (3) Cargos o créditos: Diversos conceptos que se pueden incluir en el aviso recibo relacionados con el suministro.



68050 89-10-26 XAXX-010101 001 CFE
01 679891006881 250923 000003346 6



11DK09A011122560Repartir

-1-

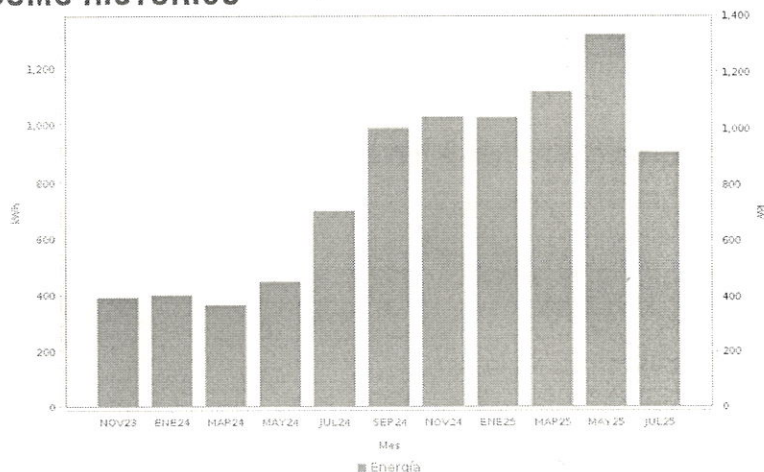


\$3,346

(TRES MIL TRESCIENTOS CUARENTA Y SEIS PESOS M.N.)

CONSUMO HISTÓRICO

Periodo	kWh	Importe	Pagos	Pendientes de Pago
del 08 MAY 25 al 08 JUL 25	904	\$3,259.00	\$3,259.00	
del 07 MAR 25 al 08 MAY 25	1316	\$5,184.00	\$5,184.00	
del 08 ENE 25 al 07 MAR 25	1115	\$4,270.00	\$4,270.00	
del 07 NOV 24 al 08 ENE 25	1025	\$3,819.00	\$3,819.00	
del 05 SEP 24 al 07 NOV 24	1026	\$3,730.00	\$3,730.00	
del 08 JUL 24 al 05 SEP 24	987	\$3,652.00	\$3,652.00	
del 08 MAY 24 al 08 JUL 24	696	\$2,250.00	\$2,250.00	
del 07 MAR 24 al 08 MAY 24	447	\$1,150.00	\$1,150.00	
del 09 ENE 24 al 07 MAR 24	363	\$764.00	\$764.00	
del 09 NOV 23 al 09 ENE 24	399	\$883.00	\$883.00	
del 08 SEP 23 al 09 NOV 23	390	\$868.00	\$868.00	



AHORRO DE ENERGÍA INSTALACIÓN ELÉCTRICA

Si los interruptores de seguridad están desgastados, reemplázalos; si los cables de la caja de fusibles se calientan, es necesario cambiarlos por otros del calibre adecuado.



Datos Fiscales del Receptor Cadena Original Este documento es una representación impresa de un CFDI PPD

RFC: SAMT560128NK9 Razón Social: Régimen Fiscal: 000 Uso CFDI: CP: 00000 AC Folio: 000075433888 Folio Fiscal: UUID N. Certificado del SAT: No. certificado del CSD: Fecha y hora de certificación: Unidad de medida: kWh
||1.0|UUID|||

Instancias y recursos a disposición de los usuarios para atender quejas:



¡AVISO IMPORTANTE!

Tu comprobante fiscal es emitido por Comisión Federal de Electricidad con el RFC CFE 370814Q10.

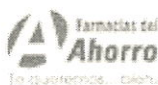
¿Confort o desperdicio? Cuida tu consumo eléctrico. Nuestro compromiso es seguir conectados contigo.

Corte a partir del 24 SEP 25.

Con este consumo se redujo el porcentaje de la aportación otorgada por el Gobierno Federal. Ahorrar luz podría representar beneficios en su gasto familiar.

Conoce los servicios de los diferentes suministradores: <http://usuariocalificado.cre.gov.mx/UsuarioCalificado/ListadoSuministrador>

TAMBIÉN PUEDES PAGAR TU RECIBO EN:



Banco del Bienestar, Bancomex, Inbursa, Santander, Banamex, Banijerito, Scotiabank, HSBC, CIBanco, Afirme, Multiva, Banco del Bajío, Banco Azteca, BanCoppel.
Son más de 100,000 establecimientos autorizados, consulta el portal cfe.mx en la sección medios de pago.

17.076031351224014,
-96.71500839941257

Calle Amapolas 619-A,
Reforma, Oaxaca de Juárez,
Oax., México

El punto de interconexión se llevara acabo en el lado fuente del interruptor principal, esto segun lo establecido en el artículo 705-12 a).

DELAFV

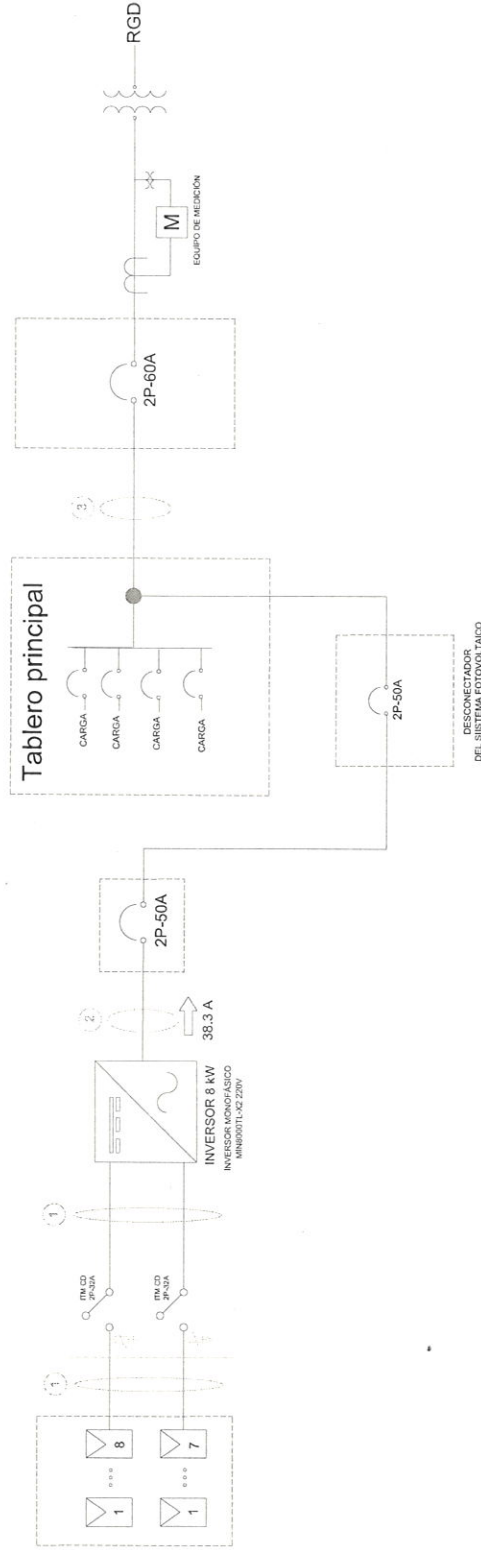
2 PES 10 AWG (5,26 mm²) PV WIRE 90 °C RQD
2 NEG 10 AWG (5,26 mm²) PV WIRE 90 °C NEGRO
1 CPTD 10 AWG (5,26 mm²) desnuda

ALIMENTADOR DEL INYECTOR GIORNATI 1 kW

2 Fases = 4 AWG (26,7 mm²) THHN LS NEGRO
6 AWG (9,73 mm²) THHN LS NEGRO
1 CPTD = 10 AWG (5,26 mm²) 3 desnuda

ALIMENTADOR

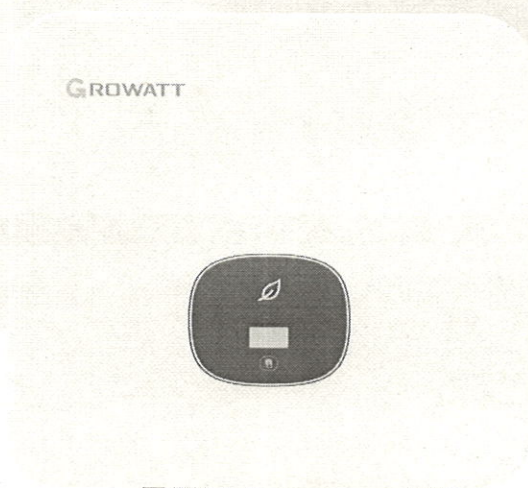
2 Fases = 4 AWG (26,7 mm²) THHN NEGRO
1 CPTD = 4 AWG (26,7 mm²) THHN NEGRO



ABREVIATURAS		CARACTERÍSTICAS DEL MÓDULO FV		SIMBOLOGÍA		AGENCIA DE ENERGÍA DEL PACÍFICO	
V VOLTS	AVF ARREGLO FOTOVOLTAICO	MARCA: GROWATT	MÓDULO FOTOVOLTAICO	TRANSFORMADOR DE POTENCIA	PUESTA A TIERRA		AGENCIA DE ENERGÍA DEL PACÍFICO
AMP AMPERES	PL PLACA DE CADADE DE TENSIÓN	MODELO: MIN9000T1-X2	INVERSOR	EQUIPO DE MEDICIÓN	ENVOLVENTE		
INAC CORRIENTE MÁXIMA DE SALIDA	MPPT MAXIMUM POWER POINT	VOLTAJE MÁX ENTRADA: 600 V	INTERRUPTOR TERMOMAGNÉTICO	DESCONECTOR TIPO CUCHILLA	SUPRESOR DE PICOS		
CPFC CONDUCTOR PUESTO A TIERRA	AWG AMERICAN WIRE GAUGE	VOLTAJE MIN (ARRANQUE): 80 V	DESCONECTOR CON CARGA	FUSIBLE	BUS DE CONEXIONES		
TERMA TEMPERATURA	ITM INTERRUPTOR TERMOMAGNÉTICO	RANGO DE OPERACIÓN: 60-550 V					
RGD RED GENERAL DE CORRIENTE		VOLTAJE DE CA: 220 V					
INV INVERSOR							
C CIRCUITO							

MIN 7000~10000 TL-X2

- Eficiencia máxima del 98,1%
- 3 MPPT
- SPD de tipo II en el lado de CD
- Admite control de exportación
- Tecla táctil y pantalla OLED
- Corriente en cadena de hasta 18A



GROWATT

www.ginverter.com

P O W E R
- I N G O
T O M O -
R R O W O

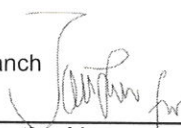
Hoja de datos	MIN 7000TL-X2	MIN 8000TL-X2	MIN 9000TL-X2	MIN 10000TL-X2
Datos de entrada (CD)				
Máxima potencia FV recomendada	12000W	12000W	13500W	15000W
Máximo voltaje CD			600V	
Voltaje de arranque			80V	
Voltaje nominal			360V	
Rango de voltaje de MPPT			60-550V	
Número de MPPTs			3	
Cadenas por MPPT			1/1/1	
Máxima corriente de entrada por MPPT			18A/18A/18A	
Corriente máx. de cortocircuito por MPPT			24A/24A/24A	
Datos de salida (CA)				
Potencia nominal de CA	7000W	8000W	9000W	10000W
Potencia aparente máxima	7000VA	8000VA	9000VA	10000VA
Voltaje nominal CA (Rango*)			220V/160--300V	
Frecuencia de red CA (Rango*)			50/60Hz[44-55Hz/54-65Hz]	
Corriente máxima de salida	33.5A	38.3A	43A	45.5A
Factor de potencia ajustable		0.8 de adelanto...0.8 de atraso		
Distorsión armónica total			<3%	
Tipo de conexión CA			Monofásico	
Eficiencia				
Máxima eficiencia			98.1%	
Eficiencia europea			97.5%	
Eficiencia de MPPT			99.5%	
Dispositivos de protección				
Protección de polaridad inversa CD			Si	
Interruptor CD			Si	
Protección contra sobretensión CD			Clase II	
Monitoreo de resistencia de aislamiento			Si	
Protección contra cortocircuitos en CA			Si	
Monitoreo de falla a tierra			Si	
Monitoreo de red			Si	
Protección anti-isla			Si	
Monitoreo de corriente residual			Si	
AFCI			Si	
Datos generales				
Dimensiones			425/387/180mm	
Peso			20kg	
Rango de temperatura de operación			-30 °C ... +60 °C	
Autoconsumo (noche)			< 1W	
Topología			Sin transformador	
Enfriamiento			Convección natural	
Grado de protección			IP66	
Humedad relativa			0-100%	
Altitud			4000m	
Conexión CD			H4/MC4(opcional)	
Conexión CA			Conector	
Pantalla			OLED+LED	
Comunicación: RS485 / USB / WIFI / GPRS / RF / LAN			Si/Si/Opc/Opc/Opc/Opc	
Garantía: 5 años / 10 años			Si/Opc	
IEEE1547, UL1741, Inmetro, G99, EN50549-1, UNE217001, UNE206007, PO12.2				

* El rango de voltaje de CA puede variar en función de la norma de red de cada país.

* Todas las especificaciones están sujetas a cambios sin previo aviso.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant:	Shenzhen Growatt New Energy Co., Ltd.	Manufacturer:	Guangdong Growatt New EnergyCo., Ltd
Address:	4-13/F, Building A, Sino-German(Europe) Industrial Park, Hangcheng Ave, BAO'AN DISTRICT, Shenzhen	Address:	Growatt Industrial Park, No.17Pingheng Road Pingtan Town,Huiyang District, Huizhou, Guangdong
Country:	CHINA	Country:	CHINA
Party Authorized To Apply Mark:	Same as Manufacturer		
Report Issuing Office:	Intertek Testing Services Shenzhen Limited Guangzhou Branch		
Control Number:	<u>4003184</u>	Authorized by:	 for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Inverters, Converters, Controllers and Interconnection System Equipment for use with Distributed Energy Resources [UL 1741:2021 Ed.3] Interconnecting Distributed Resources With Electric Power Systems (R2008) [IEEE 1547:2003] Amendment 1 to IEEE 1547 - Interconnecting Distributed Resources With Electric Power Systems [IEEE 1547a:2014] IEEE Standard Conformance Test Procedures For Equipment Interconnecting Distributed Resources With Electric Power Systems [IEEE 1547.1:2005]
Product:	PV Grid Inverter
Brand Name:	GROWATT
Models:	MIN 7000TL-X, MIN 7000TL-X(E), MIN 8000TL-X, MIN 8000TL-X(E), MIN 9000TL-X, MIN 10000TL-X MIN 7000TL-X2, MIN 8000TL-X2, MIN 9000TL-X2, MIN 10000TL-X2

Harvest the Sunshine

JA SOLAR

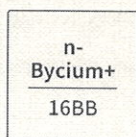
650W



JAM72D42 LB

n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell
Technology

26%

Up To

Cell Conversion
Efficiency

Premium Modules



Higher power
generation better LCOE



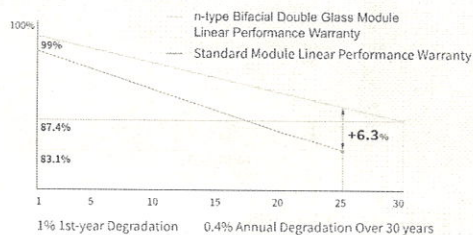
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response



12-year product
warranty



30-year linear power
output warranty

Comprehensive Certificates

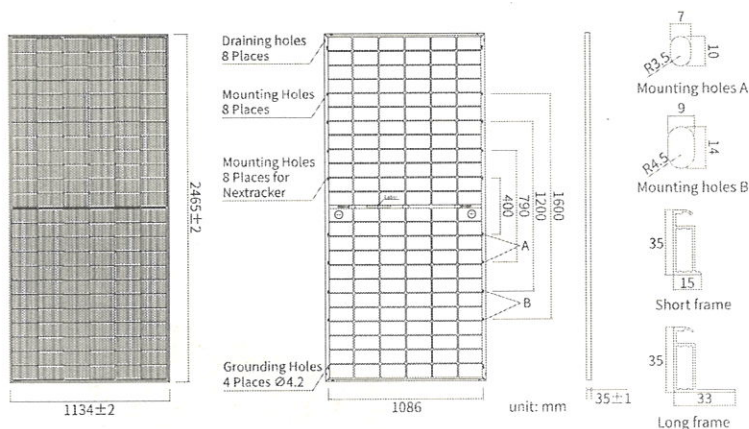
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

JAM72D42 LB

n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	34.6kg
Dimensions	2465±2mm×1134±2mm×35±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1500mm(+)/1500mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	31pcs/Pallet, 496pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D42 -625/LB	JAM72D42 -630/LB	JAM72D42 -635/LB	JAM72D42 -640/LB	JAM72D42 -645/LB	JAM72D42 -650/LB
Rated Maximum Power(P _{max}) [W]	625	630	635	640	645	650
Open Circuit Voltage (V _{oc}) [V]	52.27	52.47	52.67	52.87	53.07	53.27
Maximum Power Voltage(V _{mp}) [V]	43.71	43.90	44.10	44.29	44.49	44.67
Short Circuit Current(I _{sc}) [A]	15.16	15.21	15.26	15.31	15.36	15.41
Maximum Power Current(I _{mp}) [A]	14.30	14.35	14.40	14.45	14.50	14.55
Module Efficiency [%]	22.4	22.5	22.7	22.9	23.1	23.3
Power Tolerance	0~+3%					
Temperature Coefficient of I _{sc} (α _{Isc})	+0.045%/°C					
Temperature Coefficient of V _{oc} (β _{Voc})	-0.250%/°C					
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.290%/°C					

STC Irradiance 1000W/m², cell temperature 25°C, AM1.5G

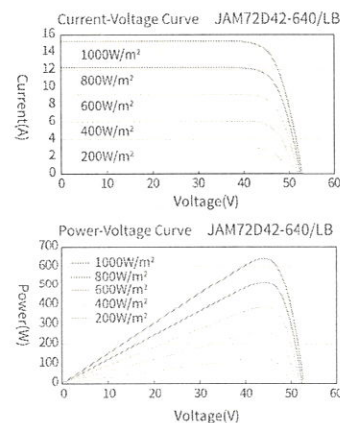
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D42 -625/LB	JAM72D42 -630/LB	JAM72D42 -635/LB	JAM72D42 -640/LB	JAM72D42 -645/LB	JAM72D42 -650/LB
Rated Max Power(P _{max}) [W]	675	680	686	691	697	702
Open Circuit Voltage(V _{oc}) [V]	52.27	52.47	52.67	52.87	53.07	53.27
Max Power Voltage(V _{mp}) [V]	43.71	43.90	44.10	44.29	44.49	44.67
Short Circuit Current(I _{sc}) [A]	16.37	16.43	16.48	16.53	16.59	16.64
Max Power Current(I _{mp}) [A]	15.44	15.50	15.55	15.61	15.66	15.71
Irradiation Ratio (rear/front)	10%					

* For Nextacker installations, maximum static load please take compatibility approve letter between JA Solar and Nextacker for reference.

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front*	5400Pa(112 lb/ft ²)
Maximum Static Load, Back*	2400Pa(50 lb/ft ²)
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.

Version No. : Global-EN-20241122A

JA SOLAR

Headquarters

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E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant: Shanghai JA Solar Technology Co., Ltd. **Manufacturer:** Shanghai JA Solar Technology Co., Ltd.

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai

Country: P. R. China

Country: P. R. China

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 4001505

Authorized by:

for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]

Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant: Shanghai JA Solar Technology Co., Ltd.

Manufacturer: Hefei JA Solar Technology Co., Ltd.

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai

Address: No. 999, Changning Road, Hi-tech Zone, Hefei City, 230088, Anhui Province

Country: P. R. China

Country: P. R. China

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 4005519

Authorized by: _____

for L. Matthew Snyder, Certification Manager



Intertek

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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):

Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]

Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]

Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]

Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]

Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]

Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]

Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]

Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.

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Applicant: Shanghai JA Solar Technology Co., Ltd.

Manufacturer: JA SOLAR VIET NAM COMPANY LIMITED.

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai

Address: Lot G, Quang Chau industrial park, Quang Chau Ward, Viet Yen Town, Bac Giang Province, 236110

Country: P. R. China

Country: Vietnam

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5020189

Authorized by: _____

for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2] Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2] Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023] Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
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Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.

AUTHORIZATION TO MARK

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Applicant: Shanghai JA Solar Technology Co., Ltd.

Manufacturer: JA Solar AZ, LLC

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai

Address: 1975 South 99th Avenue, Phoenix, AZ 85353

Country: P. R. China

Country: USA

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5029709

Authorized by: _____

for L. Matthew Snyder, Certification Manager



Intertek

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Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]

Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant: Shanghai JA Solar Technology Co., Ltd.

Manufacturer: PT JAYA ELECTRICAL ENERGY

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai

Address: Komplek Arya, Wiraraja Industrial No.11-12.Kel, Kabil Kec, Nongsa,Kota Batam, Kepri Riau 29467

Country: P. R. China

Country: Indonesia

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5031171

Authorized by: _____

for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]

Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant: Shanghai JA Solar Technology Co., Ltd.

Manufacturer: PT BLUE SKY SOLAR INDONESIA

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai

Address: 2X93+4M6 PT. Blue Sky Solar Indonesia, Sungai Pelunggut, Kec. Sagulung, Kota Batam, Kepulauan Riau, 294425

Country: P. R. China

Country: Indonesia

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5031846

Authorized by: _____

for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2] Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2] Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023] Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
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Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant: Shanghai JA Solar Technology Co., Ltd. **Manufacturer:** PT THORNOVA SOLAR INDONESIA

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai **Address:** Jalan Brigjen Katamso, Kel. Tanjung Uncang, Kec. Batu Aji, Kota Batam, Provinsi Kepulauan Riau, Indonesia

Country: P. R. China **Country:** Indonesia

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5032398

Authorized by: 
for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2] Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2] Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023] Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
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Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant: Shanghai JA Solar Technology Co., Ltd.

Manufacturer: PT DUNIA SOLAR INDONESIA

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai

Address: KERAPU ROAD NUMBER 12, Tanjung Sengkuang Village/Sub-district, Batu Ampar District, Batam City, Riau Islands Province, Indonesia

Country: P. R. China

Country:

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5032395

Authorized by:

for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2] Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2] Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023] Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2] Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]
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Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.

Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant: Shanghai JA Solar Technology Co., Ltd.

Manufacturer: VIETNAM SUNERGY JOINT STOCK COMPANY

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai

Address: Lot CN53, Thuan Thanh II Industrial Park, An Binh Commune, Thuan Thanh District, Bac Ninh Province, Vietnam

Country: P. R. China

Country: Vietnam

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5032399

Authorized by: 
for L. Matthew Snyder, Certification Manager



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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]

Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]

Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]

Standard(s): Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]

Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]

Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]

Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]

Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant: Shanghai JA Solar Technology Co., Ltd.

Manufacturer: Solarspace Technology (Laos) Sole Co.,Ltd.

Address: No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai

Address: NANO VILLAGE, SAYSETTHA DEVELOPMENT ZONE, SAYSETTHA DISTRICT, VIENTIANE CAPITAL, LAO PDR

Country: P. R. China

Country: Laos

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5032397

Authorized by: 
for L. Matthew Snyder, Certification Manager



This document supersedes all previous Authorizations to Mark for the noted Report Number.

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Intertek Testing Services NA Inc.
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Standard(s):	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1: Test Requirements [UL 61215-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-1: Special Requirements for Testing of Crystalline Silicon Photovoltaic (PV) Modules [UL 61215-1-1:2021 Ed.2]
	Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 2: Test Procedures [UL 61215-2:2021 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [UL 61730-1:2022 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [UL 61730-2:2022 Ed.2+R:25Apr2023]
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]
	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.2]

Product:	Crystalline Silicon Photovoltaic modules
Brand Name:	JA SOLAR 晶澳
Models:	JAM72D30- followed by 530, 535, 540, 545, 550 or 555; followed by /MB, JAM72D40- followed by 560, 565, 570, 575, 580, 585, 590, 595, 600, 605 or 610; followed by /MB, JAM54D40- followed by 415, 420, 425, 430, 435, 440, 445, 450 or 455; followed by /MB, JAM54D41- followed by 415, 420, 425, 430, 435 or 440; followed by /MB, JAM72D40- followed by 575, 580, 585, 590, 595, 600, 605, 610, 615 or 620; followed by /LB, JAM60D40- followed by 485, 490, 495, 500, 505, 510 or 515; followed by /LB, JAM54D40- followed by 420, 425, 430, 435, 440, 445, 450, 455, 460 or 465; followed by /LB, JAM54D41- followed by 420, 425, 430, 435, 440, 445, 450 or 455; followed by /LB, JAM72D42- followed by 605, 610, 615, 620, 625, 630, 635, 640, 645, 650 or 655; followed by /LB, JAM66D42- followed by 555, 560, 565, 570, 575, 580, 585, 590, 595 or 600; followed by /MB, JAM60D42- followed by 500, 505, 510, 515, 520, 525, 530, 535, 540 or 545; followed by /LB, JAM66D45- followed by 585, 590, 595, 600, 605, 610, 615, 620, 625 or 630; followed by /LB, JAM72D40- followed by 585, 590, 595 or 600; followed by /MB-US, JAM66D46- followed by 685, 690, 695, 700, 705, 710, 715, 720, 725 or 730; followed by /LB.