

Fecha _____

Número de Solicitud

512510131207064

I. Datos del Solicitante

Nombre, Denominación o Razón Social

LOPEZ CAMACHO SONIA

Domicilio

Calle

PROSPERO GONZALEZ

Número exterior

6 C

Número Interior

N/A

Código Postal

68270

Colonia/Población

TLALIXTAC CABRERA

Delegación/Municipio

TLALIXTAC DE CABRERA

Estado

OAXACA

Teléfono

951 531 1377

Correo Electrónico

sonialopez.22.com@gmail.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)

679211252114

Nivel de Tensión de Suministro

220 V

VI. Central EléctricaFecha estimada de Operación Normal
(DD/MM/AAAA)

28/10/2025

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

Eólico

Cogeneración

Otro

Especificar

No de unidades de generación

15 MODULOS

Combustible principal

SOL

Combustible secundario

N/A

Coordenadas UTM

1

X

17.076541

Y

-96.6477649

2

3

4

5

6

LOPEZ CAMACHO SONIA

(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
Cargo
Fecha

LOPEZ CAMACHO SONIA

PROPIETARIO

sello y firma
Centro de Atención

CARTA PODER

OAXACA DE JUÁREZ, OAXACA

A COMISIÓN FEDERAL DE ELECTRICIDAD.

Suministro de Servicios Básicos

P R E S E N T E

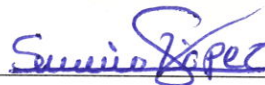
Por medio de la presente me permito informarle que no está en mis posibilidades realizar los trámites correspondientes y otros de mi servicio, por tal motivo otorgó a la C. MIJANGOS ORTIZ EUNICE poder amplio y cumplido, para que en mi nombre y representación pueda realizar todas las gestiones que se 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 PROSPERO GONZALEZ 6C C.P. 68270 TLALIXTAC DE CABRERA, OAX y número de servicio: 679211252114.

Acepto el poder



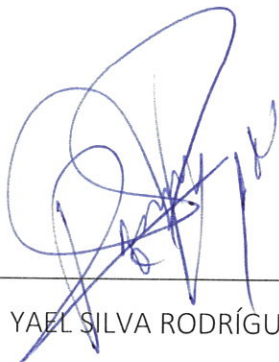
C. MIJANGOS ORTIZ EUNICE

Otorgante



C. LOPEZ CAMACHO SONIA

TESTIGOS



C. YAEL SILVA RODRÍGUEZ



C. RAUL REYES HERNÁNDEZ

CROQUIS



Dirección: PROSPERO GONZALEZ 6C C.P. 68270 TLALIXTAC DE CABRERA, OAX

Coordenadas: 17.076541,-96.6477649

 MÉXICO INSTITUTO NACIONAL ELECTORAL
CREDENCIAL PARA VOTAR



NOMBRE
MIJANGOS
ORTIZ
EUNICE

FECHA DE NACIMIENTO
27/01/2000

SEXO M

DOMICILIO
PROL SALVADOR 204
COL SANTA MARIA IXCOTEL 71228
SANTA LUCIA DEL CAMINO, OAX.

CLAVE DE ELECTOR MJOEN00012720M900

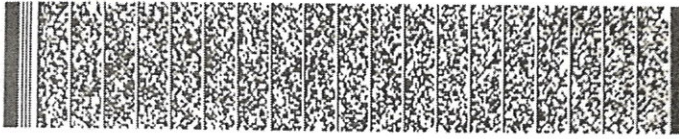
CURP MIOE000127MOCJRNA5 AÑO DE REGISTRO 2017 00

ESTADO 20 MUNICIPIO 392 SECCIÓN 1756

LOCALIDAD 0001 EMISIÓN 2017 VIGENCIA 2027





EDMUNDO JASSO MOLINA
SECRETARIO EJECUTIVO DEL
INSTITUTO NACIONAL ELECTORAL

IDMEX1689359346<<1756120232248
0001270M2712310MEX<00<<25798<4
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
SIRY951103MOCLDL05

AÑO DE REGISTRO
2014 03

FECHA DE NACIMIENTO
03/11/1995

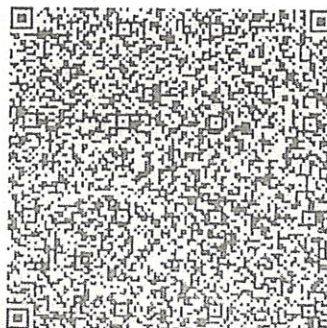
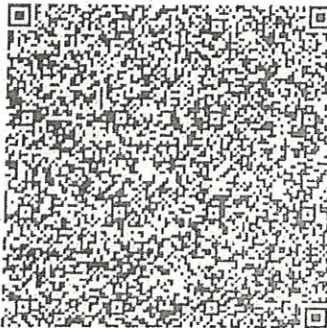
SECCIÓN
0208

VIGENCIA
2023 - 2033



ELECCIONES FEDERALES

LOCALES Y EXTRAORDINARIAS



E007162

EDMUNDO JACOBO 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

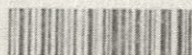
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AÑO DE REGISTRO
2014 02

FECHA DE NACIMIENTO
27/07/1996

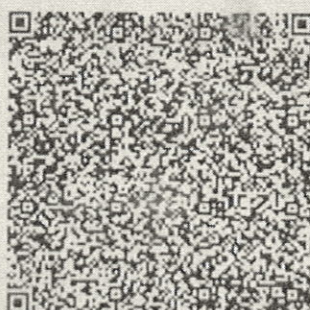
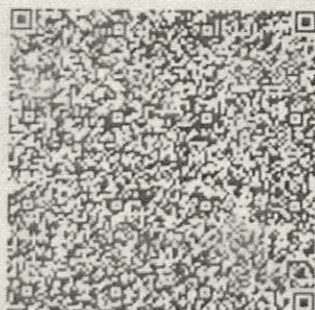
SECCIÓN
1037

VIGENCIA
2019 - 2029



ELECCIONES FEDERALES

LOCALIDAD: MONTERREY, N.L.



C000343

EDMUNDO HINOJOSA MOLINA
SECRETARIO EJECUTIVO DEL
INSTITUTO NACIONAL ELECTORAL

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



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

LOPEZ CAMACHO SONIA

PROSPERO GONZALEZ 6 C
BENITO JUAREZ
TLALIXTAC CABRERA PU IC.P.68270
TLALIXTAC DE CABRERA,OAX

NO. DE SERVICIO:679211252114

RMU:68270 21-12-05 LOCS-870722 005 CFE

CUENTA:31DK09A163127610

LÍMITE DE PAGO:08 AGO 25

CORTE A PARTIR:09 AGO 25

TARIFA:PDBTNO. **MEDIDOR:**YW324J

MULTIPLICADOR:1

NO HILOS:1

PERIODO FACTURADO:22 MAY 25-22 JUL 25

TOTAL A PAGAR:

\$3,484

(TRES MIL CUATROCIENTOS OCHENTA Y CUATRO PESOS M.N.)



Concepto	Lectura actual	Lectura anterior	Total periodo	Precio (MXN)	Subtotal (MXN)
	Medida ☒ Estimada ☐	Medida ☒ Estimada ☐			
Energía (kWh)	13,533	12,867	666		



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	Cargo Fijo((3))	80.22
Distribución	0.00	0.00	771.43	771.43	Energía	2,729.87
Transmisión	0.00	0.00	120.48	120.48	Subtotal	2,810.09
CENACE	0.00	0.00	4.33	4.33	IVA 16%	449.61
Energía	0.00	0.00	1,130.20	1,130.20	Fac. del Periodo	3,259.70
Capacidad	0.00	0.00	699.30	699.30	DAP((2))	224.81
SCnMEM(1)	0.00	0.00	4.13	4.13	Adeudo Anterior	3,888.16
					Su Pago	-3,888.00
					Total	3,484.67

Fecha, hora y lugar de impresión:29/07/2025 09:40:35hrsCalle 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.



68270 21-12-05 LOCS-870722 005 CFE
01 679211252114 250808 000003484 5



31DK09A163127610Repartir

-1-

CFE-contigo

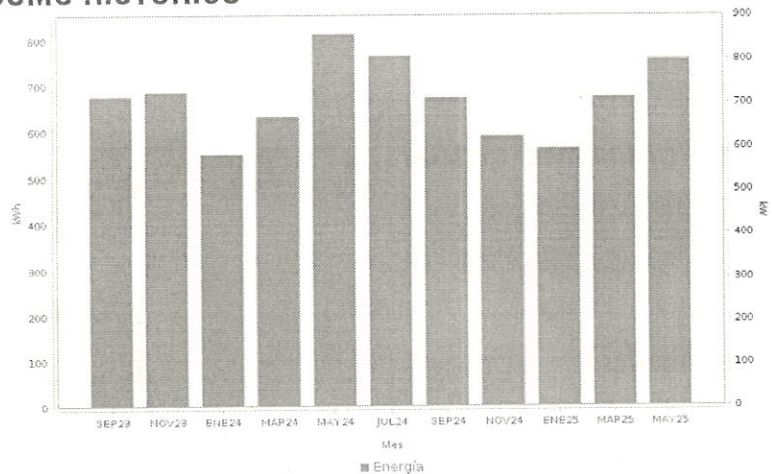


\$3,484

(TRES MIL CUATROCIENTOS OCHENTA Y CUATRO PESOS M.N.)

CONSUMO HISTÓRICO

Período	kWh	Importe	Pagos	Pendientes de Pago
del 24 MAR 25 al 22 MAY 25	757	\$3,888.00	\$3,888.00	
del 22 ENE 25 al 24 MAR 25	675	\$3,477.00	\$3,477.00	
del 22 NOV 24 al 22 ENE 25	563	\$2,877.00	\$2,877.00	
del 23 SEP 24 al 22 NOV 24	590	\$3,043.00	\$3,043.00	
del 22 JUL 24 al 23 SEP 24	673	\$3,458.00	\$3,458.00	
del 22 MAY 24 al 22 JUL 24	764	\$3,823.00	\$3,823.00	
del 21 MAR 24 al 22 MAY 24	812	\$4,056.00	\$4,056.00	
del 23 ENE 24 al 21 MAR 24	633	\$3,157.00	\$3,157.00	
del 24 NOV 23 al 23 ENE 24	550	\$2,744.00	\$2,744.00	
del 23 SEP 23 al 24 NOV 23	686	\$3,443.00	\$3,443.00	
del 24 JUL 23 al 23 SEP 23	676	\$3,413.00	\$3,413.00	



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: LQCS870722SP9 Razón Social: Régimen Fiscal: 000 Uso CFDI: CP: 00000 AC Folio: 000074893517 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:



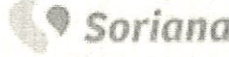
Profeco
 Procuraduría Federal
 del Consumidor

¡AVISO IMPORTANTE!

Tu comprobante fiscal es emitido por Comisión Federal de Electricidad con el RFC CFE 370814Q10.
 La suma de cada pequeña acción genera un gran cambio, cuidemos el medio ambiente. Nuestro compromiso es seguir conectados contigo.
 Corte a partir del 09 AGO 25.
 Su consumo de energía eléctrica está dentro del rango excedente.

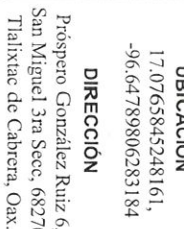
Conoce los servicios de los diferentes suministradores: <http://usuariocalificado.cfe.gob.mx/UsuarioCalificado/ListadoSuministrador>

TAMBIÉN PUEDES PAGAR TU RECIBO EN:



Banco del Bienestar, Bancomér, Intursa, Santander, Banamex, Banjército, Scotiabank, HSBC, C.Banco, 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.

MACROLocalización



Próspero González Ruiz 6,
San Miguel 3ra Secc, 68270
Tlalixtlac de Cabrera, Oax.

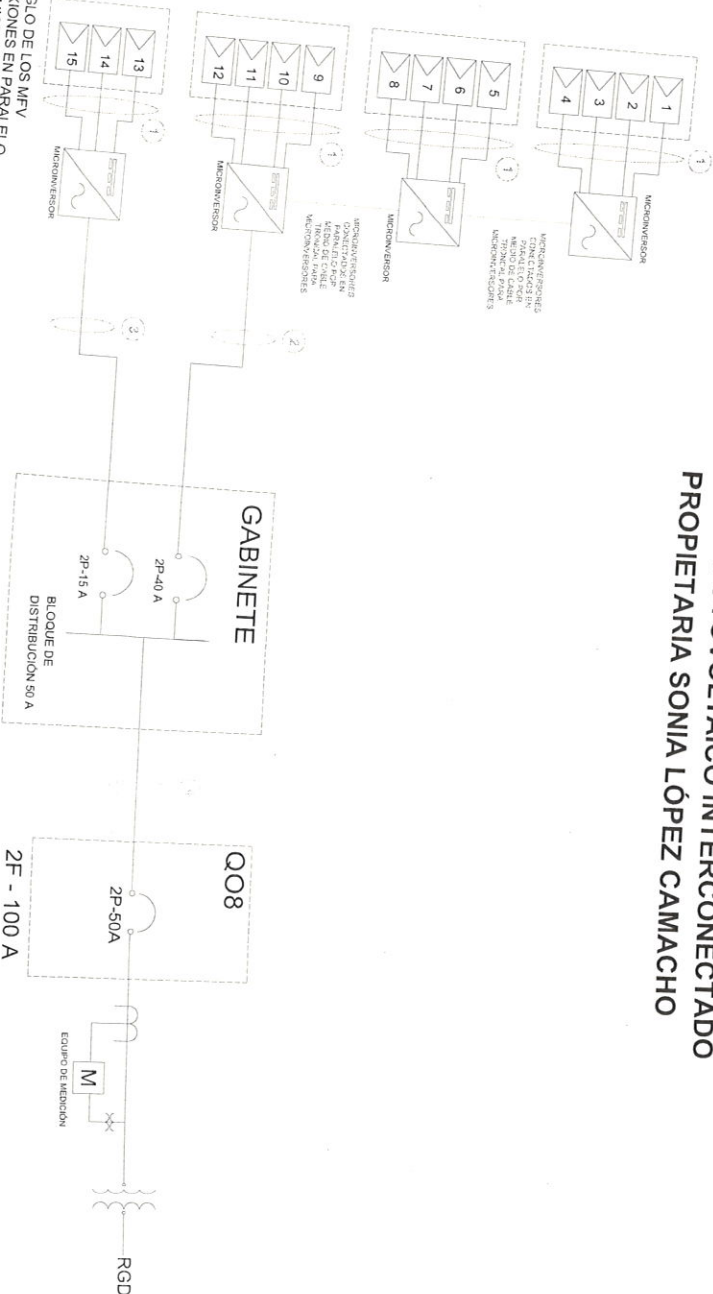
Los módulos fotovoltaicos irán conectados a cada microinversor en paralelo. la conexión en paralelo de los microinversores mantienen el voltaje de operación

1
2
3

ALUMINUM DIE, MICROPROCESSOR
1 POS. 10.0 AVG (15.26 mm) FROM B.O. TO
1 NED 10.0 AVG (15.26 mm) FROM B.O. TO NED 10
1 CPT 10.0 AVG (15.26 mm) FROM B.O.

ALUMINUM DIE, MICROPROCESSOR
2 Poses = 10.0 AVG (15.26 mm) FROM B.O. TO NED 10
1 CPT 10.0 AVG (15.26 mm) FROM B.O. TO NED 10

ALUMINUM DIE, MICROPROCESSOR
2 Poses = 10.0 AVG (15.26 mm) FROM B.O. TO NED 10
1 CPT 10.0 AVG (15.26 mm) FROM B.O. TO NED 10

[illegible]

MARCA: HOYMILES
 MODELO: HMS-2000DW-4T
 VOLTAJE MÁX ENTRADA: 65 V
 VOLTAJE MIN (ARRANQUE): 22 V
 RANGO DE OPERACIÓN: 16-60 V
 VOLTAJE DE C.A.: 220 V

CARACTERÍSTICAS DEL MÓDULO PV

MARCA: JA SOLAR
MODELO: JAM72D42-6402FLB
Pmax: 640Wp
Voc: 52,87 V
Vmp: 44,29 V
IsC: 15,31 A
Imp: 14,45 A

SIMBOLOGIA	
	MÓDULO FOTOVOLTAICO
	TRANSFORMADOR DE POTENCIA
	INVERSOR
	INTERRUPTOR TERMOMAGNÉTICO DESCONECTADOR COM CARGA
	DISJUNTOR DE MEDICAO
	FUSÍVEL
	PUSTA A TERRA
	ENVOLVENTE
	SUPRESOR DE PICOS
	CONEXIONES

AEP
AGENCIA DE ENERGIA
DEL PACIFICO

PROPIETARIO: SONIA LÓPEZ CAMACHO

DISEÑO, MILLAGUI BONIFAZ VICENTE ZARATE DIAGRAMA UNIFORM A1

PENALO INC. MIGUEL ANGEL ESTRADA CASTELLANOS ESCALA: S/E FECHA: 22/09/2025

CENTRAL IV TIPO BT Tel: (+52) 951 138 3956

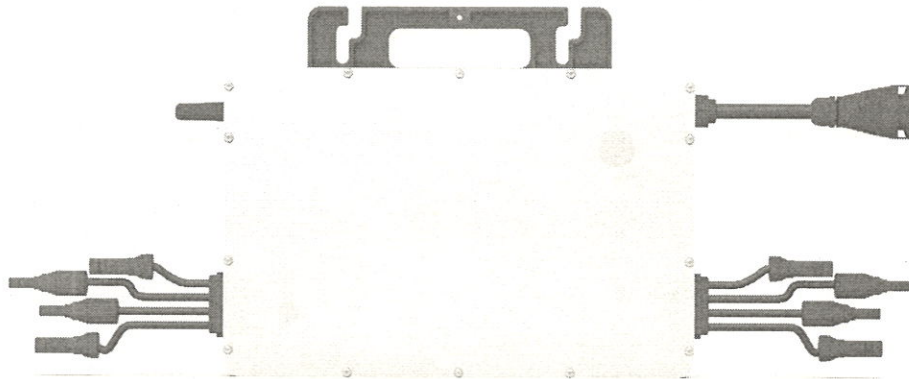
AEP
AGENCIA DE ENERGIA
DEL PACIFICO

PROPIETARIO: SONIA LÓPEZ CAMACHO

DISEÑO, MILLAGUI BONIFAZ VICENTE BARATE DIAGRAMA UNIFILAR A1

PENALO INC. MIGUEL ANGEL ESTRADA CASTELLANOS ESCALA: S/E FECHA: 22/09/2025

CENTRAL PV TIPO BT Tel: (+52) 951 138 3956



Ficha técnica del microinversor

HMS-1600
HMS-1800
HMS-2000

Descripción

Con una potencia de salida de hasta 2000 VA, la nueva serie de microinversores HMS-2000 de Hoymiles se sitúa entre los mejores microinversores 4 en 1.

Cada microinversor puede conectarse a 4 paneles como máximo, con monitoreo y MPPT independiente, lo que maximiza la producción de energía de su instalación.

La nueva solución Sub-1G inalámbrica permite una comunicación más estable con la DTU de puerta de enlace Hoymiles.

Características

- 01 Microinversor de alta potencia con potencia de salida de hasta 2000 VA
- 02 El monitoreo y seguimiento del punto de máxima potencia (MPPT) independiente garantizan una mayor captación de energía y un mantenimiento más sencillo.
- 03 Con Control de Potencia Reactiva que cumple con las normas UL 1741, ABNT NBR 16150:2013, etc.

- 04 Diseño 4 en 1 que permite una instalación más rápida e implica menores costos
- 05 Es más seguro para las estaciones solares de techo, con un sistema optimizado de apagado rápido y transformador aislado
- 06 La solución inalámbrica Sub-1G permite una comunicación estable en entornos comerciales e industriales.

Especificaciones técnicas

Modelo	HMS-1600-4T				HMS-1800-4T			HMS-2000-4T		
Datos de entrada (CC)										
Módulo de potencia de uso común (W)	320 a +540				360 a +600			400 a +670		
Voltaje de entrada máximo (V)					65					
Intervalo de voltaje de MPPT (V)					16 - 60					
Voltaje de arranque (V)					22					
Corriente de entrada máxima (A)	4 × 14				4 × 15			4 × 16		
Corriente máxima de cortocircuito de entrada (A)					4 × 25					
Cantidad de MPPT					4					
Cantidad de entradas por MPPT					1					
Datos de salida (CA)										
Alimentación nominal de salida (VA)	1600				1800			2000		
Corriente nominal de salida (A)	7,27	6,96	6,67	8,18	7,83	7,5	9,09	8.7	8,33	
Voltaje nominal de salida/intervalo (V) ¹	220/ 180 - 275	230/ 180 - 275	240/ 180 - 275	220/ 180 - 275	230/ 180 - 275	240/ 180 - 275	220/ 180 - 275	230/ 180 - 275	240/ 180 - 275	
Frecuencia nominal/intervalo (Hz) ¹	50/45 - 55 o 60/55 - 65									
Factor de potencia (ajustable)	> 0,99 predeterminado 0,8 adelantado... 0,8 atrasado									
Distorsión armónica total	< 3 %									
Máximo de unidades por cada ramal de calibre AWG 10 ²	4	4	4	3	4	4	3	3	3	
Eficiencia										
Eficiencia pico de la Comisión de Energía de California (CEC)	96,7 %				96,5 %			96,5 %		
Eficiencia nominal de MPPT					99,8 %					
Consumo de energía nocturno (en mW)					< 50					
Datos mecánicos										
Rango de temperatura ambiente (en °C)					-40 a +65					
Dimensiones (ancho × alto × profundidad en mm)					331 × 218 × 36,6					
Peso (kg)					4,7					
Grado de Protección de la Cubierta					IP67 (NEMA 6) para exteriores					
Enfriamiento					Convección natural, sin ventiladores					
Características										
Comunicación					Sub-1G					
Tipo de aislamiento					Transformador de alta frecuencia (HF) aislado galvánicamente					
Monitoreo					S-Miles Cloud ³					
Cumplimiento					UL 1741, ABNT NBR 16150:2013, ABNT NBR 16149:2013					

*1 El voltaje nominal/intervalo de frecuencia puede variar en función de los requisitos locales.

*2 Consulte los requisitos locales para ver la cantidad exacta de microinversores por ramal.

*3 Sistema de monitoreo Hoymiles

Certificado de Conformidad

Por medio del certificado de producto número / By the product certificate number

Nº 2622/0027-1/E2-B-CER/E1

Emitido a: / Issued to:

Propietario de la licencia: /

License holder:

Marca: / Trademark:

Hoymiles Power Electronics Inc.

No. 18 Kangjing Road, Hangzhou 310015, Zhejiang Province, P.R. China.

hoymiles

Dirección de fábrica: /

Factory location:

Hoymiles Power Electronics Inc.

No. 149 Kangzhong Road, Hangzhou 310015, Zhejiang Province, P.R. China

Se certifica que el producto: / It is certified that the product:

Tipo de aparato: / Type of product:

Microinversor FV / PV Microinverter

Modelos: / Models:

HMS-2000-4T / HMS-1800-4T / HMS-1600-4T /
HMS-2000-4WB / HMS-1800-4WB / HMS-1600-4WB

Datos técnicos: /

Rated

characteristics:

Potencia nominal / Rated power

Tensión nominal / Rated voltage

Frecuencia nominal / Rated frequency

Versión firmware / Firmware version

Número de fases / Number of phases

Ver página 2 / See page 2

230 V_{ac}

50 Hz

V01.00.00

Monofásico / Single-phase
(L/N/PE)

Sí / Yes

Transformador de aislamiento /
Isolation transformer

Está en cumplimiento con los requisitos de las regulaciones: / Is in compliance with the requirements of the regulations:

- RD 647/2020, de 7 de julio, por el que se regulan aspectos necesarios para la implementación de los códigos de red de conexión de determinadas instalaciones eléctricas. ⁽¹⁾
- RD 413/2014, de 6 de junio, por el que se regula la actividad de producción de energía eléctrica a partir de fuentes de energía renovables, cogeneración y residuos. ⁽¹⁾
- RD 1699/2011, de 18 de noviembre, por el que se regula la conexión a red de instalaciones de producción de energía eléctrica de pequeña potencia. ⁽¹⁾

⁽¹⁾ Observación: Siendo SOLO certificadas las prescripciones técnicas aplicables a los requisitos para funciones de protección ante variaciones anormales de tensión y frecuencia, auto-reconexión y factor de potencia en la red, según viene definido en el Real Decreto 647/2020. / ⁽¹⁾ Remark: Being ONLY certified the technical prescriptions applicable to the protective functions for voltage and frequency abnormal variations, self-reconnection and power factor in the grid, as stated in the Real Decreto 647/2020.

El equipo antes mencionado está certificado conforme con el procedimiento interno PROCESO 4 de SGS de acuerdo con los requisitos de la norma UNE-EN ISO/IEC 17065. / The above-mentioned generating unit is certified according to the SGS internal procedure PROCESO 4 based on the requirements of the UNE-EN ISO/IEC 17065.

Este certificado cancela y sustituye al certificado Nº 2622/0027-1/E2-B-CER. /
This certificate cancels and replaces the certificate No. 2622/0027-1/E2-B-CER.

Este certificado se emite por vez primera el 3 de marzo de 2022. / This certificate is first issued on 3rd March 2022.
Este certificado es válido hasta el 27 de enero de 2027. / This certificate is valid until the 27th January 2027.

Madrid, 19 de septiembre de 2024 / Madrid, 19th September 2024



Maria J. González Soria
Certificadora



SGS Tecnos, S.A.U. C/ Trespademe, 29 - 28042 Madrid
This certificate is issued by SGS under its General Conditions
for Product Certification at www.sgs.com/terms_and_conditions.
The status and validity of the certificate can be checked scanning the
QR code above included or through the following web link.
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Nº 2622/0027-1/E2-B-CER/E1

Página 1 de 2

Lista completa de referencias con las características nominales de los productos certificados: / Full list of product references and nominal characteristics:

product references and nominal characteristics			
Model	HMS-2000-4T	HMS-1800-4T	HMS-1600-4T
PV input			
Max. voltage	65 V		
Start-up voltage	22 V		
MPPT voltage range	16-60 V		
AC output			
Rated power	2000 VA	1800 VA	1600 VA

Model	HMS-2000-4WB	HMS-1800-4WB	HMS-1600-4WB
PV input			
Max. voltage	65 V		
Min./Max. Start-up voltage	22/60 V		
MPPT voltage range	16-60 V		
AC output			
Rated power	2000 VA	1800 VA	1600 VA



Harvest the Sunshine

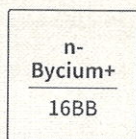
JA SOLAR

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



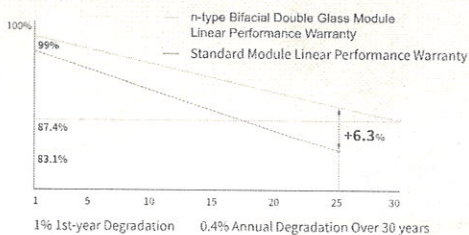
n-type with very
Lower LID



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

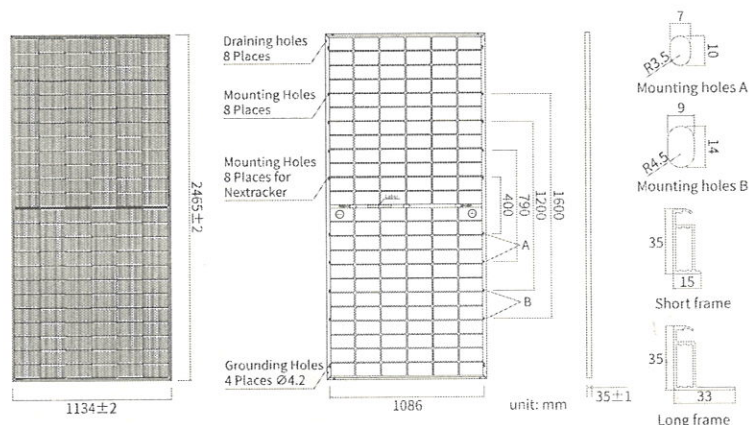


DEEP BLUE 4.0 Pro

JAM72D42 LB

n-type Double Glass Bifacial Modules

DEEP BLUE 4.0 Pro



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	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

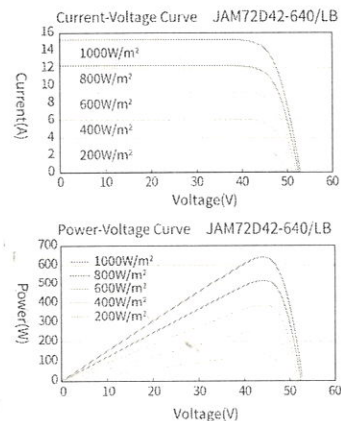
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

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 NextTracker installations, maximum static load please take compatibility approve letter between JA Solar and NextTracker 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

JA SOLAR

Headquarters

No. 8 Building, Nuode Center, No.1 Courtyard, East Auto Museum Road,
Fengtai District, Beijing
Tel: +86 10 6361 1888 Fax: +86 10 6361 9999
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

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

Version No.: Global-EN-20241122A

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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:	<u>4001505</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):	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: 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.

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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



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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:	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:	<u>5031171</u>	Authorized by:	<u>for L. Matthew Snyder, Certification Manager</u>



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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.

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 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 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: 5031846

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.

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



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

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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 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:
Report Issuing Office:

Same as Manufacturer
Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5032395

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

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.

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: 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:
Report Issuing Office:

Same as Manufacturer
Intertek Testing Services (Shanghai FTZ) Co., Ltd

Control Number: 5032399

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.

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: 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: Laos

Country: P. R. China

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



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.