

Fecha 11/09/2025

Número de Solicitud

## I. Datos del Solicitante

Nombre, Denominación o Razón Social

GUTIERREZ VASQUEZ LIDIA

Domicilio

Calle

BENITO JUAREZ

Número exterior

6

Número Interior

N/A

Código Postal

68256

Colonia/Población

POBLADO MORELOS

Delegación/Municipio

POBLADO MORELOS

Estado

OAXACA

Teléfono

951 424 68 38

Correo Electrónico

gmendoza74@outlook.com

Fax

## II. Datos de Contacto

Nombre

Yael Silva Rodriguez

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)

686090103457

Nivel de Tensión de Suministro

220 V

## VI. Central Eléctrica

Fecha estimada de Operación Normal (DD/MM/AAAA)

26/09/2025

Capacidad Bruta Instalada (Kw)

5.12 kW

Capacidad a Incrementar (kw) (Opcional)

Generación Promedio Mensual Estimada (kwh/Mes)

603 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

8 MODULOS

Combustible principal

SOL

Combustible secundario

N/A

Coordenadas UTM

1

X

17.1543391

Y

-96.7633197

2

3

4

5

6

GUTIERREZ VASQUEZ LIDIA

(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

GUTIERREZ VASQUEZ LIDIA

Cargo

PROPIETARIA

Fecha

11/09/2025

CFE Comisión Federal de Electricidad  
Lic. Soledad Hernández Ramírez  
Jefe CAC E.F.  
G11AY  
sello y firma  
Centro de Atención

11.09.2025

## CARTA PODER

OAXACA DE JUÁREZ, OAXACA A 11 DE SEPTIEMBRE DEL 2025

A COMISIÓN FEDERAL DE ELECTRICIDAD.

Suministro de Servicios Básicos

PRESENTE

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. Yael Silva Rodríguez 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 BENITO JUAREZ 6 POB MORELOS, POBLADO MORELOS C.P. 68256, OAX y número de servicio: 686090103457.

Acepto el poder

C. Yael Silva Rodríguez

Otorgante

C. GUTIERREZ VASQUEZ LIDIA

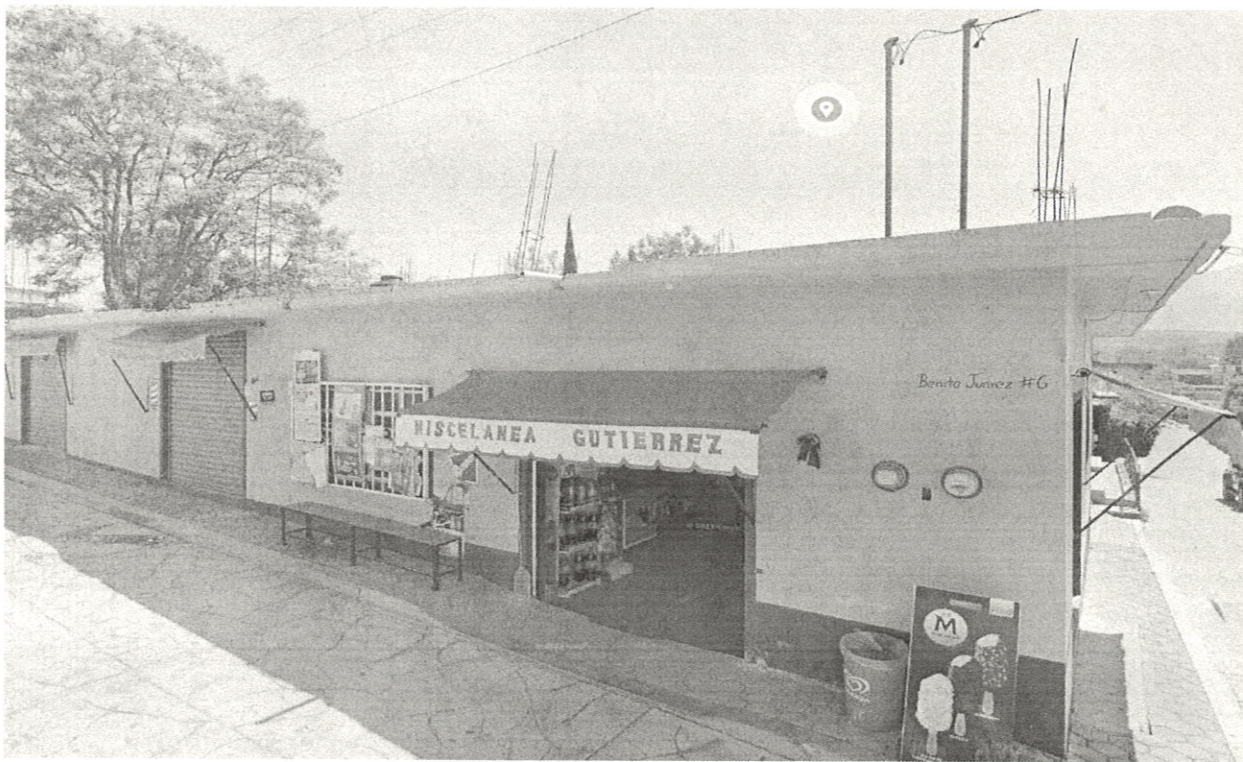
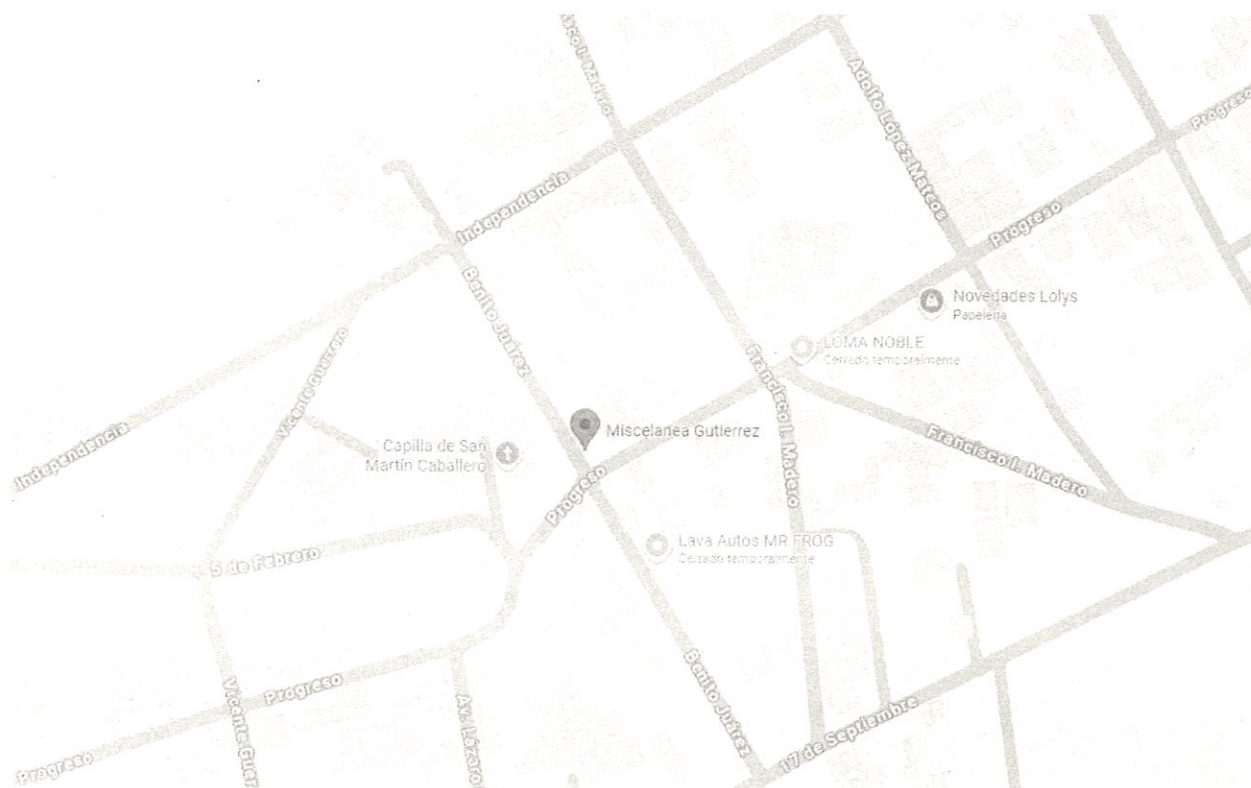
TESTIGOS

C. MIJANGOS ORTIZ EUNICE

C. RAUL REYES HERNANDEZ



## CROQUIS



**Dirección:** BENITO JUAREZ 6 POB MORELOS, POBLADO MORELOS C.P. 68256, OAX

**Coordenadas:** 17.1543391,-96.7633197





MÉXICO INSTITUTO NACIONAL ELECTORAL  
CREDENCIAL PARA VOTAR

NOMBRE  
GUTIERREZ  
VASQUEZ  
LIDIA  
DOMICILIO  
C BENITO JUAREZ 3  
LOC POBLADO MORELOS 68258  
SAN PABLO ETLA, OAX.  
CLAVE DE ELECTOR GTVSLD45072620M600  
CURP GUVL450726MOCTSD08

FECHA DE NACIMIENTO  
26/07/1945  
SEXO M

AÑO DE REGISTRO 1991 02

ESTADO 20 MUNICIPIO 291 SECCIÓN 1425  
LOCALIDAD 0003 EMISIÓN 2016 VIGENCIA 2026



INE

Barcode and QR code

Signature of Lidia Vasquez Gutierrez

EDUARDO JACOBINO MOLINA  
SECRETARIO EJECUTIVO DEL  
INSTITUTO NACIONAL ELECTORAL

IDMEX1536752971<<1425033450534  
4507264M2612317MEX<02<<66241<2  
GUTIERREZ<VASQUEZ<<LIDIA<<<<<<





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

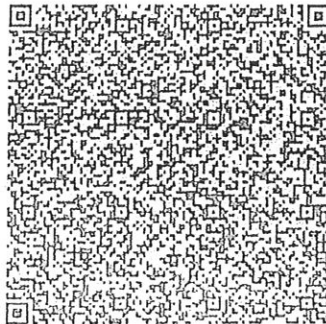
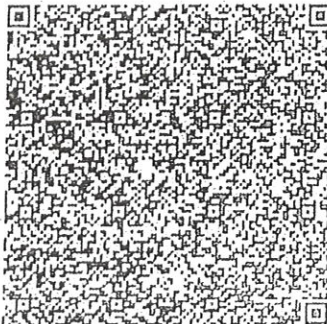
SECCIÓN  
0208

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

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 MJOREN00012720M900

CURP MIOE000127MOCJRNA5

ESTADO 20

LOCALIDAD 0001

FECHA DE NACIMIENTO  
27/01/2000

SEXO: M



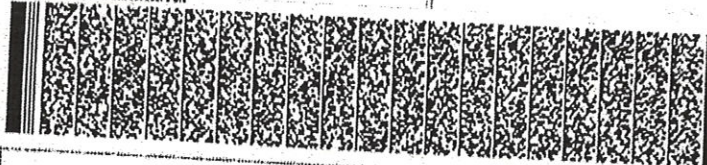
AÑO DE REGISTRO 2017 00

MUNICIPIO 392

SECCIÓN 1756

EMISIÓN 2017

VIGENCIA 2027





Shirley

EDUARDO GONZALEZ  
SECRETARIO DE ECONOMIA  
INSTITUTO NACIONAL DE ESTADISTICA

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



 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

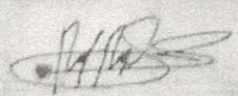
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AÑO DE REGISTRO  
2014 02

FECHA DE NACIMIENTO  
27/07/1996

SECCIÓN  
1037

VIGENCIA  
2019 - 2029





 ELECCIONES FEDERALES LOCALS Y EXTRAORDINARIAS 

CD000343

  
EFRAIM JACINTO LACORT MOLINA  
SECRETARIO EJECUTIVO DEL  
INSTITUTO NACIONAL ELECTORAL

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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

## GUTIERREZ VASQUEZ LIDIA

BENITO JUAREZ 6 POB MORELOS  
17 DE SEP Y INDEPENDENCIA  
POBLADO MORELOS RC.P.68256  
POBLADO MORELOS,OAX

**NO. DE SERVICIO:**686090103457

**RMU:**68256 09-01-07 XAXX-010101 001 CFE

**CUENTA:**13DK09J421320920

**LÍMITE DE PAGO:**27 JUL 25

**CORTE A PARTIR:**28 JUL 25

**TARIFA:**PDBTNO. **MEDIDOR:**VX722G

**MULTIPLICADOR:**1

**NO HILOS:**1

**PERIODO FACTURADO:**09 MAY 25-09 JUL 25

TOTAL A PAGAR:

**\$5,960**

(CINCO MIL NOVECIENTOS SESENTA PESOS M.N.)



Concepto	Lectura actual	Lectura anterior	Total periodo	Precio (MXN)	Subtotal (MXN)
	Medida <input checked="" type="checkbox"/> Estimada <input type="checkbox"/>	Medida <input checked="" type="checkbox"/> Estimada <input type="checkbox"/>			
Energía (kWh)	19,596	18,443	1,153		



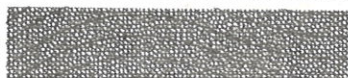
Este gráfico refleja tu nivel de consumo. A menor uso, mayor apoyo.

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	1,335.52	1,335.52	Energía	4,726.03
Transmisión	0.00	0.00	208.58	208.58	Subtotal	4,806.25
CENACE	0.00	0.00	7.49	7.49	IVA 16%	769.00
Energía	0.00	0.00	1,956.64	1,956.64	Fac. del Periodo	5,575.25
Capacidad	0.00	0.00	1,210.65	1,210.65	DAP((2))	384.50
SCnMEM(1)	0.00	0.00	7.15	7.15	Adeudo Anterior	6,100.85
					Su Pago	-6,100.00
					<b>Total</b>	<b>5,960.60</b>

Fecha, hora y lugar de impresión:21/08/2025 09:08:05hrs Calle Centenario No.21 Col Centro Villa de Etla Etla Oaxaca México CP 68200

(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.



68256 09-01-07 XAXX-010101 001 CFE  
01 686090103457 250727 000005960 2



13DK09J421320920 Repartir

-1-

CFE-contigo



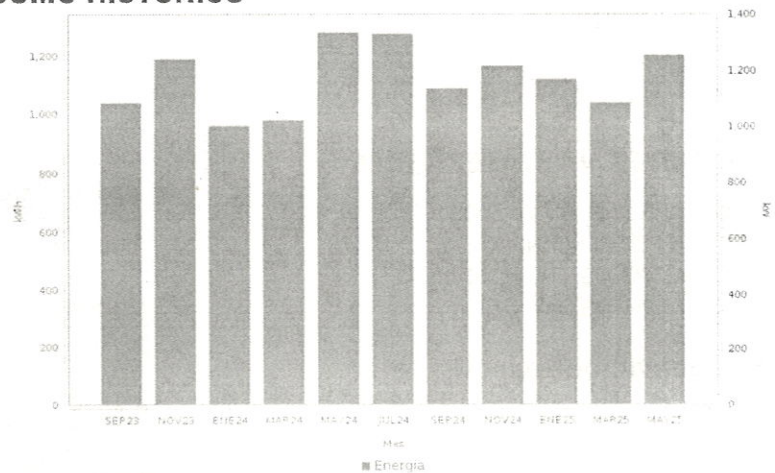
**\$5,960**

(CINCO MIL NOVECIENTOS SESENTA PESOS M.N.)



## CONSUMO HISTÓRICO

Período	kWh	Importe	Pagos	Pendientes de Pago
del 10 MAR 25 al 09 MAY 25	1199	\$6,100.00	\$6,100.00	
del 09 ENE 25 al 10 MAR 25	1034	\$5,272.00	\$5,272.00	
del 09 NOV 24 al 09 ENE 25	1116	\$5,614.00	\$5,614.00	
del 06 SEP 24 al 08 NOV 24	1162	\$5,906.00	\$5,906.00	
del 09 JUL 24 al 06 SEP 24	1082	\$5,506.00	\$5,506.00	
del 09 MAY 24 al 09 JUL 24	1272	\$6,304.00	\$6,304.00	
del 08 MAR 24 al 09 MAY 24	1276	\$6,323.00	\$6,323.00	
del 10 ENE 24 al 08 MAR 24	974	\$4,809.00	\$4,809.00	
del 10 NOV 23 al 10 ENE 24	957	\$4,698.00	\$4,698.00	
del 11 SEP 23 al 10 NOV 23	1185	\$5,875.00	\$5,875.00	
del 11 JUL 23 al 11 SEP 23	1034	\$5,167.00	\$5,167.00	



### 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: RFC Razón Social: Régimen Fiscal: 000 Uso CFDI: CP: 00000 AC Folio: 000074735631 Folio Fiscal: N. Certificado del SAT: No. certificado del CSD: Fecha y hora de certificación: Unidad de medida: kWh

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.  
 La suma de cada pequeña acción genera un gran cambio, cuidemos el medio ambiente. Nuestro compromiso es seguir conectados contigo.  
 Corte a partir del 28 JUL 25.  
 Su consumo de energía eléctrica está dentro del rango excedente.

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

### TAMBIÉN PUEDES PAGAR TU RECIBO EN:



Banco del Bienestar, Bancomer, Intercas, Santander, Banamex, Banjercito, Scotiabank, HSBC, Citibanamex, Axtel, Múlvra, Banco del Bajío, Banco Azteca, Bancóoper.  
 Son más de 100,000 establecimientos autorizados, consulta el portal [cfe.mx](http://cfe.mx) en la sección medios de pago.

# DIAGRAMA UNIFILAR DE SISTEMA DE INTERCONEXIÓN FOTOVOLTAICA DE 5,120 WATTS DE POTENCIA INSTALADA

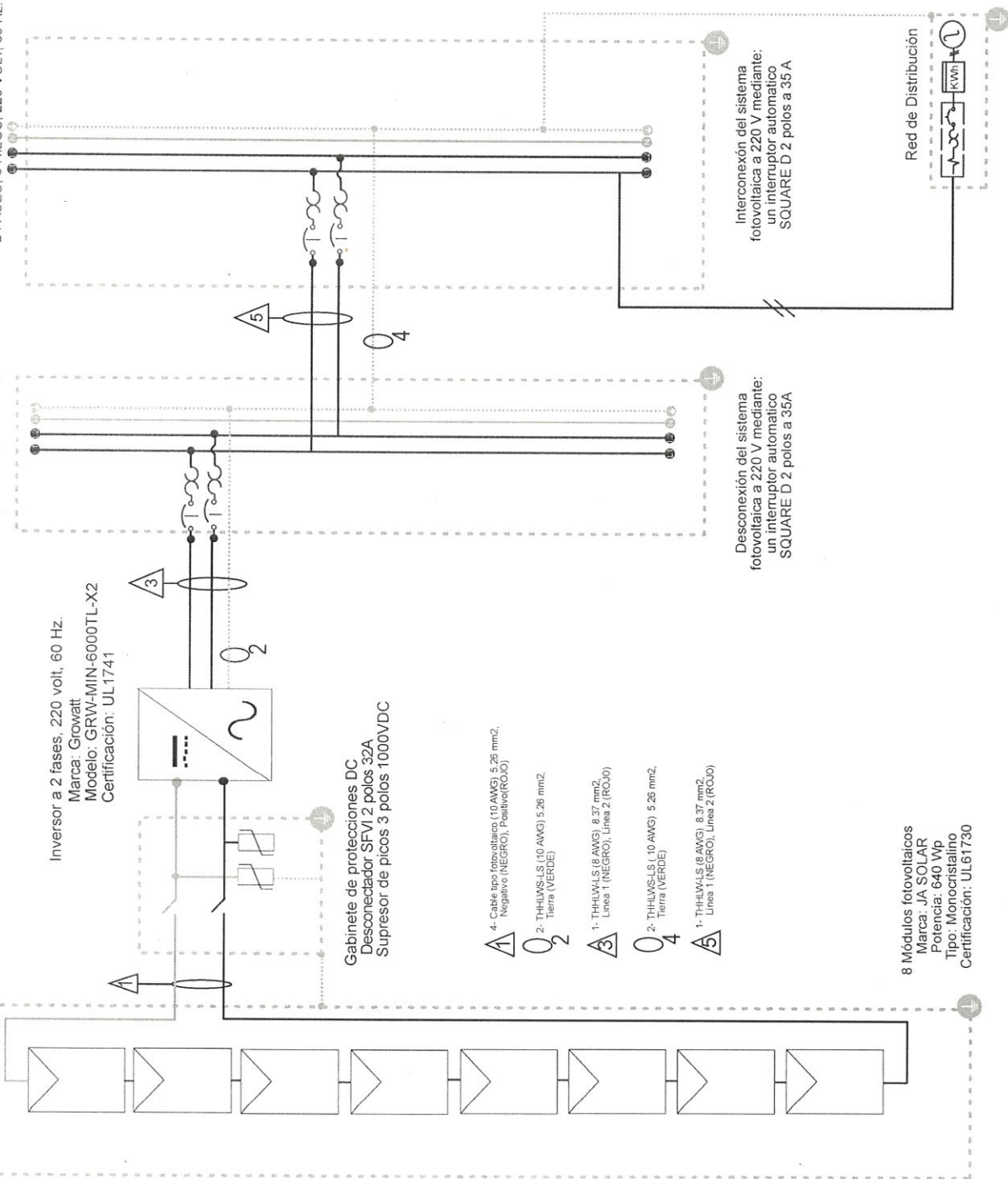
AFV de 5.12kWp

**Centro de carga desconexión del SFVI**  
2 FASES, 3 HILOS, 220 VOLT, 60 Hz.

**Tablero General**  
2 FASES, 3 HILOS, 220 VOLT, 60 Hz.

Inversor a 2 fases, 220 volt, 60 Hz.

Marca: Growatt  
Modelo: GRW-MIN-6000TL-X2  
Certificación: UL1741



1- THH4WLS (8 AWG) 8.37 mm<sup>2</sup>  
Línea 1 (NEGRO), Línea 2 (ROJO)

2- THH4WLS (10 AWG) 5.26 mm<sup>2</sup>  
Tierra (VERDE)

3- THH4WLS (8 AWG) 8.37 mm<sup>2</sup>  
Línea 1 (NEGRO), Línea 2 (ROJO)

4- THH4WLS (10 AWG) 5.26 mm<sup>2</sup>  
Tierra (VERDE)

5- THH4WLS (8 AWG) 8.37 mm<sup>2</sup>  
Línea 1 (NEGRO), Línea 2 (ROJO)

8 Módulos fotovoltaicos  
Marca: JA SOLAR  
Potencia: 640 Wp  
Tipo: Monocristalino  
Certificación: UL61730

Desconexión del sistema  
fotovoltaica a 220 V mediante:  
un interruptor automatico  
SQUARE D 2 polos a 35A

Interconexión del sistema  
fotovoltaica a 220 V mediante:  
un interruptor automatico  
SQUARE D 2 polos a 35A

Red de Distribución



SIMBOLOGÍA	
	Módulo Fotovoltaico
	Microinversor
	ITM de 3 polos
	Electrodo de puesta a tierra
	Equipo de medición
	Interruptor principal
	Supresor de picos
	Desconectador SFVI

PROYECTO:  
SISTEMA FOTOVOLTAICO DE 5,120 KW DE POTENCIA INSTALADA

PROPIETARIO:  
GERMAN MENDOZA GUTIERREZ

UBICACIÓN:  
BENTO JUAREZ, 6 POB MORELOS  
OAXACA, C.P. 68266

FECHA:  
SEPTIEMBRE 2025

ESCALA:  
SIN ESCALA

ACOTACIÓN:  
METROS.

DIAGRAMA UNIFILAR

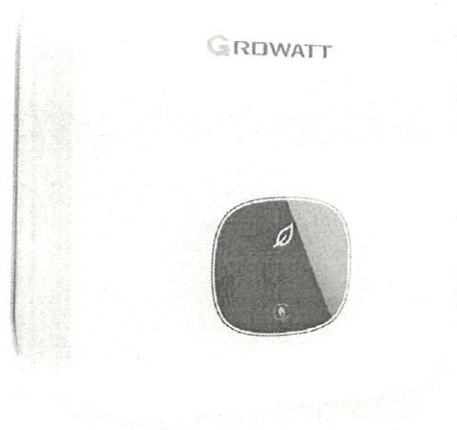
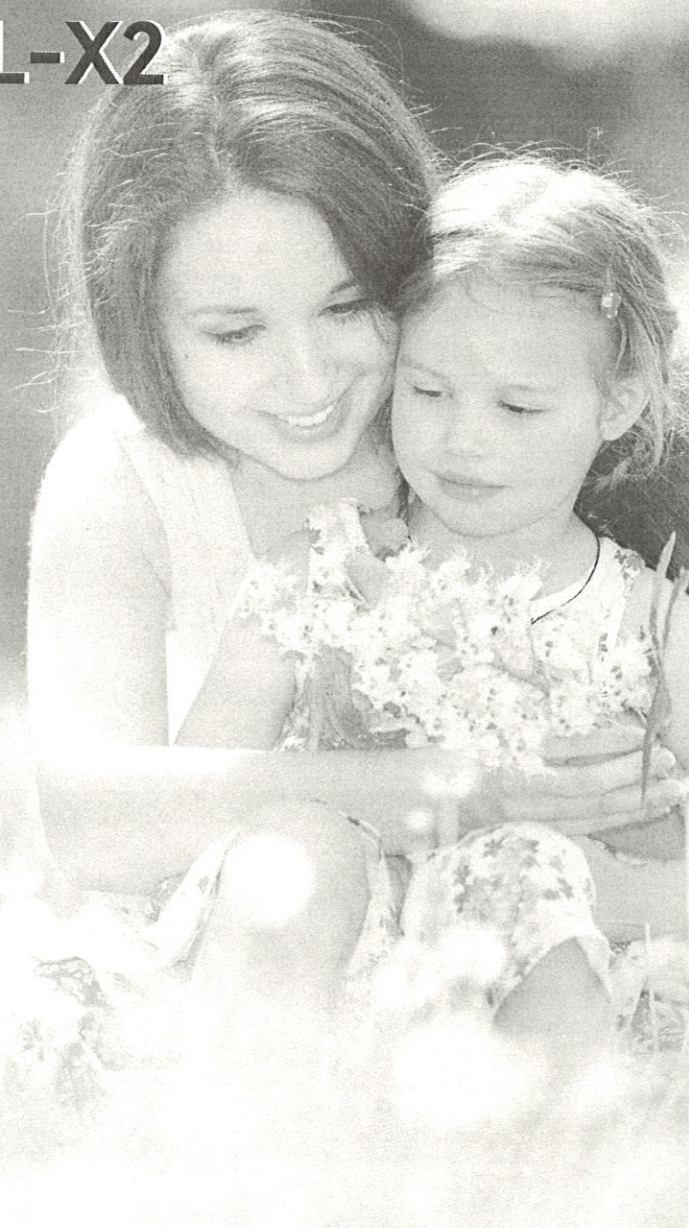
DISEÑO:  
ING. RAUL REYES HERMANDEZ

INSTALADOR:  
ING. DAVID AVILA



# MIN 2500~6000 TL-X2

- Eficiencia máxima del 98,4
- MPPT duales
- SPD de tipo II en el lado de CD
- Tecla táctil y pantalla OLED
- Corriente de cadena de hasta 16 A



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

**GROWATT**

[en.growatt.com](http://en.growatt.com)

Hoja de datos	MIN 2500TL-X2	MIN 3000TL-X2	MIN 3600TL-X2	MIN 4200TL-X2	MIN 4600TL-X2	MIN 5000TL-X2	MIN 6000TL-X2
Datos de entrada (CD)							
Máxima potencia FV recomendada	3750W	4500W	5250W	6300W	6900W	7500W	9000W
Máximo voltaje CD	500V	500V	550V	550V	550V	550V	550V
Voltaje de arranque				50V			
Voltaje nominal				360V			
Rango de voltaje de MPPT	40V-500V	40V-500V	40V-550V	40V-550V	40V-550V	40V-550V	40V-550V
Número de MPPTs				2			
Cadenas por MPPT				1			
Máxima corriente de entrada por MPPT				16A			
Corriente máx. de cortocircuito por MPPT				24A			
Datos de salida (CA)							
Potencia nominal de CA	2500W	3000W	3600W	4200W	4600W	5000W	6000W
Potencia aparente máxima	2500VA	3000VA	3600VA	4200VA	4600VA	5000VA	6000VA
Voltaje nominal CA (Rango*)				240V (211-264V)			
Frecuencia de red CA (Rango*)				50/60Hz (45-55Hz/54-65Hz)			
Corriente máxima de salida	11.3A	13.6A	16A	19A	20.9A	22.7A	27.2A
Factor de potencia ajustable				0.8 de adelanto...0.8 de atraso			
Distorsión armónica total				<3%			
Tipo de conexión CA				Monofásico			
Eficiencia							
Máxima eficiencia	98.2%	98.2%	98.2%	98.4%	98.4%	98.4%	98.4%
Eficiencia europea	97.1%	97.1%	97.2%	97.5%	97.5%	97.5%	97.5%
Eficiencia de MPPT				99.9%			
Dispositivos de protección							
Protección de polaridad inversa CD				Si			
Interruptor CD				Si			
Protección contra sobretensión CD				Clase II			
Pro Monitoreo de resistencia de aislamiento				Si			
Protección contra sobretensión CA				Clase III			
Protección contra cortocircuitos en CA				Si			
Monitoreo de red				Si			
Protección anti-isla				Si			
Monitoreo de corriente residual				Si			
AFCI				Si			
Datos generales							
Dimensiones				375/350/158mm			
Peso				10.8kg			
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				Connector			
Pantalla				OLED+LED			
Comunicación: RS485/USB/WIFI/GPRS/RF/LAN				Si/Si/Opc/Opc/Opc/Opc			
Garantía: 10 años / 15 años				Si/Opcional			
CE, CEI 0-21, VDE-AR-N 4105, VDE 0126-1-1, VFR 2019, EN 50549-1, IEC 62116, IEC 61727, G99, C10/C11, UNE217001, UNE206007, PO12.2,IEEE1547,UL1741							

\* El rango de voltaje y frecuencia de CA puede variar dependiendo del estándar de la red del país.  
Todas las especificaciones están sujetas a cambios sin previo aviso.



Harvest the Sunshine

JA SOLAR

650W   

## JAM72D42 LB n-type Double Glass Bifacial Modules

### Premium Cells


n-  
Bycium+  
16BB

MBB Half-Cell  
Technology

26%  
Up To


Cell Conversion  
Efficiency

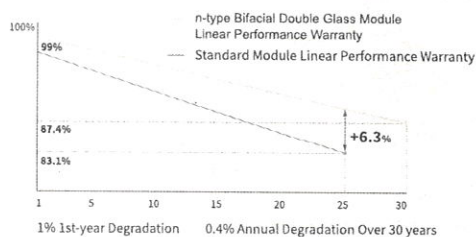
### Premium Modules

 Higher power  
generation better LCOE

LID n-type with very  
Lower LID

°C Better Temperature  
Coefficient

 Better low irradiance  
response



12 12-year product  
warranty

30 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

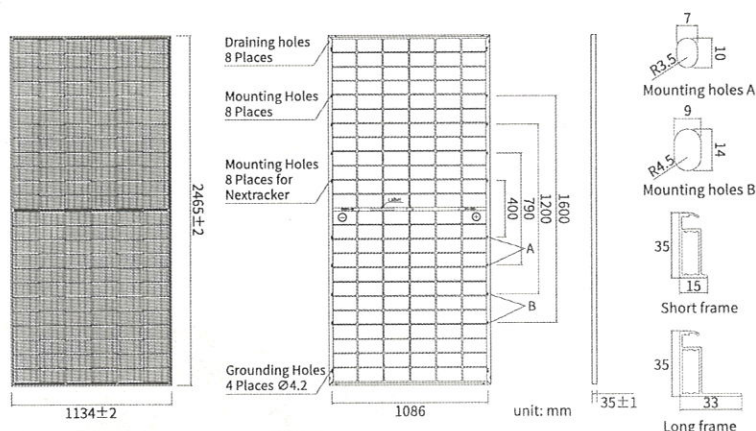


DEEP BLUE 4.0 Pro



# 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 <sup>2</sup> (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(-) (Including Connector) 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

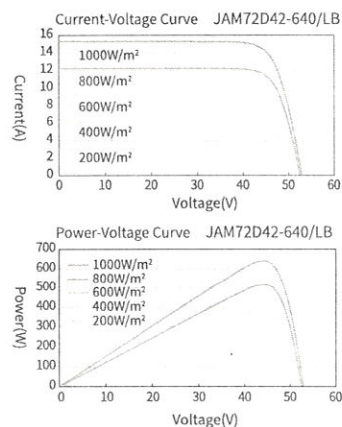
## ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D42 -625/LB	JAM72D42 -630/LB	JAM72D42 -635/LB	JAM72D42 -640/LB	JAM72D42 -645/LB	JAM72D42 -650/LB
Rated Maximum Power(P <sub>max</sub> ) [W]	625	630	635	640	645	650
Open Circuit Voltage (V <sub>oc</sub> ) [V]	52.27	52.47	52.67	52.87	53.07	53.27
Maximum Power Voltage(V <sub>mp</sub> ) [V]	43.71	43.90	44.10	44.29	44.49	44.67
Short Circuit Current(I <sub>sc</sub> ) [A]	15.16	15.21	15.26	15.31	15.36	15.41
Maximum Power Current(I <sub>mp</sub> ) [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 <sub>sc</sub> (α <sub>Isc</sub> )	+0.045%/°C					
Temperature Coefficient of V <sub>oc</sub> (β <sub>Voc</sub> )	-0.250%/°C					
Temperature Coefficient of P <sub>max</sub> (γ <sub>Pmp</sub> )	-0.290%/°C					

STC Irradiance 1000W/m<sup>2</sup>, 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.

## CHARACTERISTICS



## 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 <sub>max</sub> ) [W]	675	680	686	691	697	702
Open Circuit Voltage(V <sub>oc</sub> ) [V]	52.27	52.47	52.67	52.87	53.07	53.27
Max Power Voltage(V <sub>mp</sub> ) [V]	43.71	43.90	44.10	44.29	44.49	44.67
Short Circuit Current(I <sub>sc</sub> ) [A]	16.37	16.43	16.48	16.53	16.59	16.64
Max Power Current(I <sub>mp</sub> ) [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.

## 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 <sup>2</sup> )
Maximum Static Load, Back*	2400Pa(50 lb/ft <sup>2</sup> )
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

JA SOLAR

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Fengtai District, Beijing  
Tel: +86 10 6361 1888 Fax: +86 10 6361 9999  
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

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JA Solar reserves the right of final interpretation.

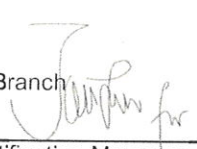
Version No.: Global-EN-20241122A



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

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]	
<b>Standard(s):</b>	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]	
<b>Product:</b>	PV Grid Inverter
<b>Brand Name:</b>	GROWATT
<b>Models:</b>	MIN 2500TL-X, MIN 3000TL-X, MIN 3600TL-X, MIN 4200TL-X, MIN 4600TL-X, MIN 5000TL-X, MIN 6000TL-X MIN 2500TL-X2, MIN 3000TL-X2, MIN 3600TL-X2, MIN 4200TL-X2, MIN 4600TL-X2, MIN 5000TL-X2, MIN 6000TL-X2

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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

<b>Standard(s):</b>	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]



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

## 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:** 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



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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]



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

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

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

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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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	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]
<b>Standard(s):</b>	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]



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

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



**Intertek**

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

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

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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<b>Applicant:</b>	Shanghai JA Solar Technology Co., Ltd.	<b>Manufacturer:</b>	PT BLUE SKY SOLAR INDONESIA
<b>Address:</b>	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	<b>Address:</b>	2X93+4M6 PT. Blue Sky Solar Indonesia, Sungai Pelunggut, Kec. Sagulung, Kota Batam, Kepulauan Riau, 294425
<b>Country:</b>	P. R. China	<b>Country:</b>	Indonesia
<b>Party Authorized To Apply Mark:</b>	Same as Manufacturer		
<b>Report Issuing Office:</b>	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
<b>Control Number:</b>	<u>5031846</u>	<b>Authorized by:</b>	 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

<b>Standard(s):</b>	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]



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

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

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

## 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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<b>Applicant:</b>	Shanghai JA Solar Technology Co., Ltd.	<b>Manufacturer:</b>	PT DUNIA SOLAR INDONESIA
<b>Address:</b>	No. 118, Lane 3111, West Huancheng Road, Fengxian District, 201401 Shanghai	<b>Address:</b>	KERAPU ROAD NUMBER 12, Tanjung Sengkuang Village/Sub-district, Batu Ampar District, Batam City, Riau Islands Province,
<b>Country:</b>	P. R. China	<b>Country:</b>	Indonesia
<b>Party Authorized To Apply Mark:</b>	Same as Manufacturer		
<b>Report Issuing Office:</b>	Intertek Testing Services (Shanghai FTZ) Co., Ltd		
<b>Control Number:</b>	<u>5032395</u>	<b>Authorized by:</b>	 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

<b>Standard(s):</b>	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]



<b>Product:</b>	Crystalline Silicon Photovoltaic modules
<b>Brand Name:</b>	JA SOLAR 晶澳
<b>Models:</b>	<p>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.</p>

# 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:** Same as Manufacturer  
**Report Issuing Office:** 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

<b>Standard(s):</b>	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]



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

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

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

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**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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<b>Standard(s):</b>	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]



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