

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

No: 2620/0042-CER

Emitido a / Issued to:

Fabricante /
Manufacturer **Shenzhen Growatt New Energy Technology Co., Ltd.**
1st East & 3rd floor of Building A, Building B. Juayu Industrial Parl
#28
GuangHui Road, LongTeng Community, Shiyan Street, Baoan
District Shenzhen – China

Marca /
Trademark




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

Tipo de aparato / Type of product	Inversor trifásico para uso sistemas que eviten el vertido de energía a la red de distribución / Three phase inverter for use in self-power generation systems	
Modelos / Models	Growatt 3000 TL3-S / Growatt 4000 TL3-S / Growatt 5000 TL3-S / Growatt 6000 TL3-S Growatt 7000 TL3-S / Growatt 8000 TL3-S / Growatt 9000 TL3-S / Growatt 10000 TL3-S;	
Datos técnicos / Rated characteristics	Potencia nominal / Rated Power [kW]	Ver página 2 / See page 2
	Tensión nominal / Rated Voltage [V]	Ver página 2 / See page 2
	Frecuencia nominal / Rated Frequency [Hz]	50
	Versión Firmware / Firmware version	dhaa01
	Número de fases / Number of phases	3~/N/PE
	Transformador de aislamiento / Isolation transformer	NO
	Elemento de control / Control device	Interno / Integrated in the inverter

Está en cumplimiento con / Is in compliance with:

Normativa / Standard **UNE 217001 IN: 2015.** Requisitos y ensayos para sistemas que eviten el vertido de energía a la red de distribución.

El equipo antes mencionado está certificado conforme con el procedimiento interno de SGS PE.T-ECPE-51 de acuerdo con los requisitos de la norma UNE-EN ISO/IEC 17065. / Aforementioned equipment is certified according to SGS internal procedure PE.T-ECPE-51 according to requirements established on standard UNE-EN ISO/IEC 17065.

El certificado contiene la siguiente información / This certificate contains the following information:

- Datos técnicos de los generadores de potencia / Technical information of power generators.
- Datos técnicos del analizador de potencia y modelos asimilables / Technical information on power analyzer and models.
- Esquema de la instalación de limitación de potencia con los elementos que la componen y tipo de comunicaciones empleado. / Scheme covering the elements and the installation to limit power injection and the used type of communication.
- Número máximo de unidades generadoras a conectar. / Maximum number of generators to be connected in parallel.

Este certificado es válido hasta: 21 de febrero de 2023. / This certificate is valid until the 21st of February 2023.

Este certificado se emite por vez primera: 21 de febrero de 2020. / This certificate is first issued on 21st of February 2020.

Madrid, 21 de febrero de 2020



Daniel Arranz Muñiz
Certification Manager



Generadores / Generators

Product Model	Growatt 3000TL3-S	Growatt 4000TL3-S	Growatt 5000TL3-S	Growatt 6000TL3-S
Input (DC)				
Max.DC Input Power	3600W	4800W	6000W	7200W
Max.DC Voltage	1000V			
Start voltage	160V			
PV Voltage	140V-1000V			
Rated input voltage	620V			
MPPT Voltage Range	200V-1000V			
Full load DC voltage range	160V-800V	200V-800V	250V-800V	290V-800V
MAX input current per MPPT	11A/11A			
Output (AC)				
Max AC Output power	3000W	4000W	5000W	6000W
Max AC Output Current	4.5A	6.1A	7.6A	9.1A
Rated AC Output current	4.3A	5.8A	7.2A	8.7A
Nominal Grid Voltage	230V/400V (3W/N/PE)			
Nominal Frequency	50Hz			
Power factor	0.8 leading to 0.8 lagging			
Operating temperature range	-25 °C ~60°C			
Degree of protection	IP65			
Protective class	Class I			

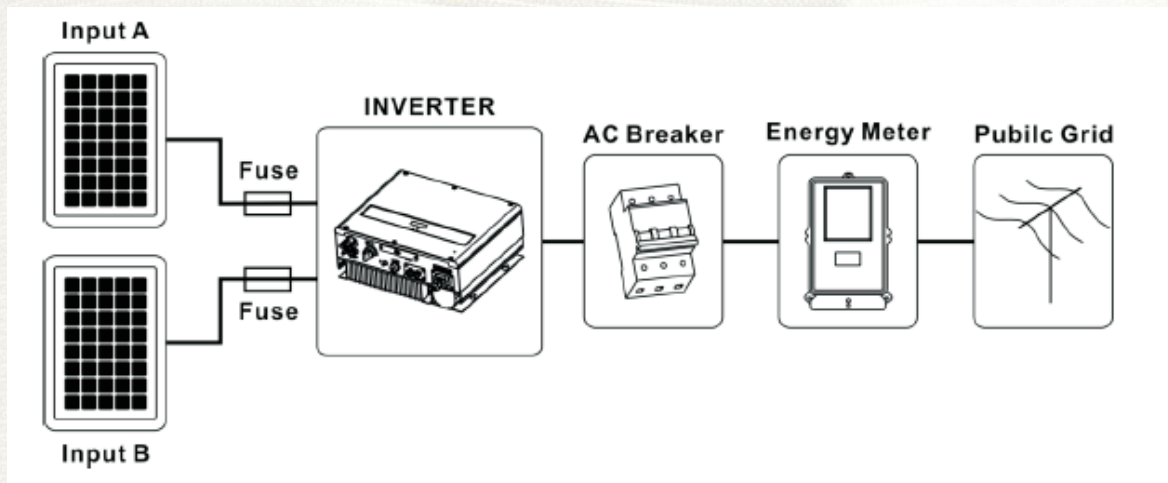
Product Model	Growatt 7000TL3-S	Growatt 8000TL3-S	Growatt 9000TL3-S	Growatt 10000TL3-S
Input (DC)				
Max.DC Input Power	8400W	9600W	10800W	12000W
Max.DC Voltage	1000V			1100V
Start voltage	160V			
PV voltage	160V-1000V			
Rated input voltage	600V			
MPPT Voltage Range	200V-1000V			
Full load DC voltage range	320V-880V	360V-850V	400V-850V	480V-850V
MAX input current per MPPT	11.5A/11.5A			
Output (AC)				
Max AC Output power	7000W	8000W	9000W	10000W
Max AC Output Current	11.7A	13.3A	15A	16.7A
Rated AC Output current	10.1A	11.6A	13.0A	14.5A
Nominal Grid Voltage	230V/400V (3W/N/PE)			
Nominal Frequency	50Hz			
Power factor	0.8 leading to 0.8 lagging			
Operating temperature range	-25 °C ~60°C			
Degree of protection	IP65			
Protective class	Class I			



Analizadores de potencia / Energy meter:

Marca / Brand	EASTRON	CHINT
Modelo / Model:	SDM630-Modbus V2	DTSU666
Fabricante / Manufacturer:	Zhejiang Eastron Electronic Co., Ltd.	Zhejiang CHINT Instrument&Meter Co., Ltd.
Características / Characteristics	230Vac, 10 A (max.100 A) AC, 50/60Hz, 400imp/kWh Power accuracy: 1% IP 51, Cl.1	220/230Vac, 5 A (max.80A), 50/60Hz, 400imp/kWh Power accuracy: 1% IP 56, Cl.1

Esquema de la instalación / Installation scheme



**El número máximo de generadores a conectar en paralelo es /
Maximum number of inverters to be connected in parallel is:**

- **No aplica / Not applicable.**

Nota: Según declarado por el fabricante, cada inversor debe conectarse a un analizador de potencia. De modo que no es posible la operación en paralelo varios inversores que no dispongan de analizador de potencia independiente.

Note: as specified by the manufacturer, every inverter shall be connected to an energy meter. Inverters are not allowed to work in parallel without energy meter.

