

Certificado de producto número / Certificate number

2619/0414-CER/E1

**Fabricante /**  
Manufacturer **SHEN ZHEN WAET Technology Co., Ltd.**  
101-102, Block A Fuyu Residence, Pankeng road (No.108, Qinde Road),  
Second Industrial Zone, Baihua Community, Guangming street,  
Guangming District, Shenzhen, P.R. China.



**Marca / Trademark** 

**Modelo ensayado /**  
Tested model **MIN 6000TL-XE**

**Modelos variantes /**  
Variant models **MIN 5000TL-XE, MIN 4600TL-XE, MIN 4200TL-XE, MIN 3600TL-XE, MIN 3000TL-XE, MIN 2500TL-XE,  
MIN 6000TL-XH, MIN 5000TL-XH, MIN 4600TL-XH, MIN 4200TL-XH, MIN 3600TL-XH, MIN 3000TL-XH,  
MIN 2500TL-XH.  
MIN 6000TL-X, MIN 5000TL-X, MIN 4600TL-X, MIN 4200TL-X, MIN 3600TL-X, MIN 3000TL-X, MIN  
2500TL-X.**

**Tipo de aparato /**  
Type of product **Inversor monofásico / Single phase inverter**

**Datos técnicos /**  
Rated characteristics **Potencia nominal / Rated Power [kW] Ver páginas / See pages 2, 3, 4**

**Tensión nominal / Rated Voltage [V] Ver páginas / See page 2, 3, 4**

**Frecuencia nominal / Rated Frequency [Hz] 50**

**Versión Firmware / Firmware version AL1.0**

**Número de fases / Number of phases Monofásico / Single-Phase**

**Transformador de aislamiento / Isolation transformer NO**

**Elemento de control / Control device Internal (ver páginas / See page 2, 3, 4)**

**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.*

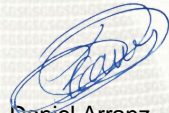
El certificado contiene la siguiente información / *This certificate contains the following information:*

- 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 cancela y sustituye al certificado n. 2619/0414-CER con fecha de emisión original del 9 de Enero de 2020. / *This certificate cancels and supersedes certificate n. 2619/0414-CER with original issuing date 9th January 2020.*

Este certificado es válido hasta el: 9 de Enero de 2023. / *This certificate is valid until the 9th of January 2023.*

Madrid, 14 de enero de 2020



Daniel Arranz  
Certification Manager



## Generadores / Generators

Familia XE / Family XE

Model	MIN 6000 TL-XE	MIN 5000 TL-XE	MIN 4600 TL-XE	MIN 4200 TL-XE	MIN 3600 TL-XE	MIN 3000 TL-XE	MIN 2500 TL-XE
<b>Specifications</b>							
Input data (PV)							
Max. recommended PV power (for module STC)	8100W	7000W	6440W	5880W	5040W	4200W	3500W
Max. PV voltage	550V					500V	
MPP voltage range	80V - 550V					80V - 500V	
MPP voltage range at Full Power	250V-500V	210V-500V	195V-500V	180V-500V	155V-500V	130V-450V	110V-450V
Max. input current per MPP trackers	12.5A						
Max. short-circuit current per MPP trackers	16A						
Output data (AC Grid)							
AC nominal power	6000W	5000W	4600W	4200W	3600W	3000W	2500W
Max. AC apparent power	6000VA	5000VA	4600VA	4200VA	3600VA	3000VA	2500VA
Nominal AC voltage	230V						
AC grid frequency	50Hz						
Max. output current	27.2A	22.7A	20.9A	19.0A	16.0A	13.6A	11.3A
Rated output current	26.1A	21.7A	20.0A	18.3A	15.7A	13.0A	10.9A
Adjustable power factor	0.8leading~0.8lagging						



## Generadores / Generators

Familia XH / Family XH

Model	MIN 6000 TL-XH	MIN 5000 TL-XH	MIN 4600 TL-XH	MIN 4200 TL-XH	MIN 3600 TL-XH	MIN 3000 TL-XH	MIN2500 TL-XH
<b>Specifications</b>							
Input data (PV)							
Max. recommended PV power (for module STC)	8100W	7000W	6440W	5880W	5040W	4200W	3500W
Max. PV voltage	550V					500V	
MPP voltage range	80V - 550V					80V - 500V	
MPP voltage range at Full Power	250V-500V	210V-500V	195V-500V	180V-500V	155V-500V	130V-450V	110V-450V
Max. input current per MPP trackers	12.5A						
Max. short-circuit current per MPP trackers	16A						
Input data (DC)							
DC input voltage range	350V-480V						
Max. Input current	10A						
Output data (AC Grid)							
AC nominal power	6000W	5000W	4600W	4200W	3600W	3000W	2500W
Max. AC apparent power	6000VA	5000VA	4600VA	4200VA	3600VA	3000VA	2500VA
Nominal AC voltage	230V						
AC grid frequency	50Hz						
Max. output current	27.2A	22.7A	20.9A	19.0A	16.0A	13.6A	11.3A
Rated output current	26.1A	21.7A	20.0A	18.3A	15.7A	13.0A	10.9A
Adjustable power factor	0.8leading~0.8lagging						



## Generadores / Generators

Familia X / Family X

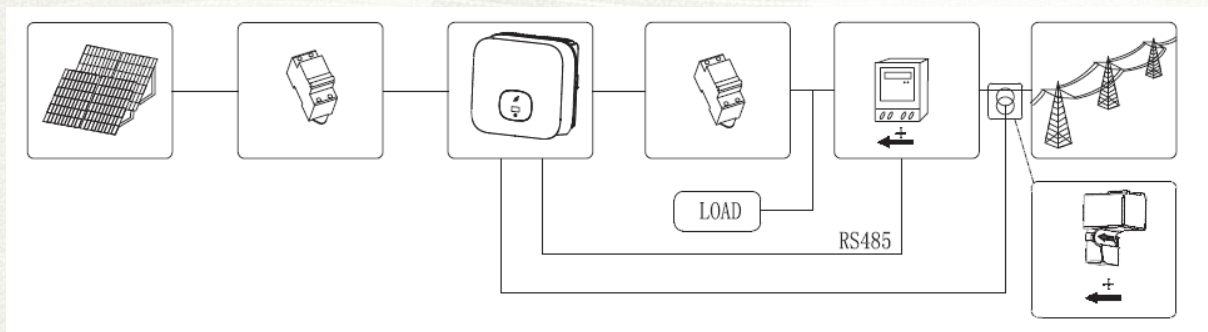
Model	MIN 6000 TL-X	MIN 5000 TL-X	MIN 4600 TL-X	MIN 4200 TL-X	MIN 3600 TL-X	MIN 3000 TL-X	MIN 2500 TL-X
<b>Specifications</b>							
Input data (PV)							
Max. recommended PV power (for module STC)	8100W	7000W	6440W	5880W	5040W	4200W	3500W
Max. PV voltage	550V					500V	
MPP voltage range	80V - 550V					80V - 500V	
MPP voltage range at Full Power	250V-500V	210V-500V	195V-500V	180V-500V	155V-500V	130V-450V	110V-450V
Max. input current per MPP trackers	12.5A						
Max. short-circuit current per MPP trackers	16A						
Output data (AC Grid)							
AC nominal power	6000W	5000W	4600W	4200W	3600W	3000W	2500W
Max. AC apparent power	6000VA	5000VA	4600VA	4200VA	3600VA	3000VA	2500VA
Nominal AC voltage	230V						
AC grid frequency	50Hz						
Max. output current	27.2A	22.7A	20.9A	19.0A	16.0A	13.6A	11.3A
Rated output current	26.1A	21.7A	20.0A	18.3A	15.7A	13.0A	10.9A
Adjustable power factor	0.8leading~0.8lagging						



**Analizador de potencia / Power analyzer:**

Analizador de potencia / Power analyzer:	EASTRON	Zhejiang CHINT
Modelo / Model:	SDM230-Modbus	DDSU666 5(80)A
Fabricante / Manufacturer:	Zhejiang Eastron Electronic Co., Ltd.	Zhejiang CHINT Instrument & Meter Co., Ltd.
Modo de conexión / Connection method:	1p2w – Monofásico	1p2w – Monofásico
Tensión nominal / Nominal Voltage:	230V	230V
Intensidad nominal / Nominal Current:	0,5-10(100)A	5(80)A
Clase / Class:	Cl.1	Cl.1
Puerto de comunicación serie / Communications port:	RS485 (Modbus)	RS485
Grado de protección / Protection degree:	IP51	IP56

**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: 1**

