

WALL-MOUNTING THREE PHASE INVERTERS

SUNZET XTR

New three-phase On-grid solar inverters range

Description



The SUNZET XTR string inverters are easy operation devices that have been designed to cover the needs of all mains connected solar generation plants. In an effort to improve the yield of solar plants, the SUNZET XTR inverters offers a very high efficiency, exceeding 97%.

The SUNZET XTR stands out due to its new web server application, accessible through its SNMP connection. In addition to this the new SUNZET XTR range provides a LCD display, where the customer is able to access all inverter information, including production data.

The SUNZET XTR can work at input DC voltages between 300 to 800 VDC and its housing has IP54.



Sunzet XTR 20 kW

Features

- > Maximum power point tracking (MPPT)
- > High energy efficiency, higher than 97%
- > Very low harmonic distortion, THD <3%
- > Direct mains connection
- > Unlimited parallel connection arrangements
- > Anti-islanding protection with automatic shut down
- > Monitoring from the unit with LCD
- > Protection against: inverse polarity, short-circuits, over voltages, isolation failure
- > SNMP connection: Web server included
- > Range of input DC voltages (300-800 VDC)
- > Compact size, light weight, easy installation
- > Built-in production log capacity

Connectivity and accessories

> Sunzet Web server integrated

This is a PC-based Web server programme to provide full access to the inverter data and to monitor and communicate with three-phase SUNZET XTR inverters. The Web server let the user to communicate with the inverters in different languages and record the following data.

- Status
- Parameters
- Events
- Event Log
- Production

See more information about connectivity and accessories on page 52

on-grid solar plants

mid voltage solar plants

hybrid generation

energy saving

telecom back up

wind energy



NON - STOP POWER



ELECTRICAL CHARACTERISTICS				
Model	Sunzet XTR 10	Sunzet XTR 13	Sunzet XTR 15	Sunzet XTR 20
Reference	301763	301764	301765	301766
Nominal output power	10 KW	13 KW	15 KW	20 KW
SYSTEM				
Conversion mode	High frequency PWM			
Electromechanical method	Low loss transformer (optional)			
DC INPUT				
Nominal DC voltage	640 V			
Maximum DC voltage	1000 V			
Operating range DC	300-800 V			
No. Independent MPPT	3(12 A Max)	3(15,6 A Max)	3(18 A Max)	3(25 A Max)
AC OUTPUT				
No. Phases/No. Wires	3- phase/3- wires or 3 – phase/ 4 – wires			
Nominal voltage AC	3x400V			
Nominal frequency	50/60 Hz			
Nominal output current AC	14,5 A	19 A	22 A	29 A
Harmonic distortion range for nominal current	<3%			
Power factor	Over 0.99 (at nominal output current)			
Maximum efficiency	97,7%			
European efficiency	96,8%			
PROTECTION				
Input	Ground fault / DC isolation fault			
Output	Over-under voltage/ Over-under frequency / Islanding			
Protection class	IP 65 (electronics) / IP 54 (others)			
COMMUNICATIONS				
Protocol	MODBUS (RTU, TCP/IP, ASCII) y SNMP			
Standard	TCP/IP Ethernet, RJ11, USB			
Optional	RS 485			
ENVIRONMENTAL CHARACTERISTICS				
Temperature	-20°C to +50°C/ -4°F to +122°F			
Relative humidity	0-90% without condensation			
Altitude	< 2000m			
MECHANICAL CHARACTERISTICS				
Dimensions mm (WxHxD)	480 x 665 x 220			
Estimated weight kg	39			
Cooling	Optimized refrigeration			
STANDARDS				
Certificates	CE Marking			
Directives	2004/108/CE 2006/95/CE			
Standards	IEC 60146, IEC 62116 EN 62109-1, EN 61000-6-2, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3			
Countries standards				
USA	UL 1741, IEEE 1547			
Italy	CEI 0-21			
Germany	VDE 4105			
England	G83/1-1, G59/2			

These specifications may be changed without notice.