

ET Solar Inverter

1.5KW/2KW



Towards Excellence

Features

- ① **High yield**
 - Transformerless with high efficiency (Max. eff. 97.4%; Euro eff. 96.6%)
- ② **Simple to use**
 - High compact design. Light weight and small dimensions
 - Fast installation : MC4 and Plug-in connector, wall-mounted
 - Easy operation with only one button
- ③ **High reliability and quality**
 - No cooling fans
 - Operating temperature up to 60 °C
 - IP 65 stainless steel housing for both indoor and outdoor installation
 - Long lifetime: Proven components with excellent performance record
 - Integrated protection devices. Ensure the safety of the system
- ④ **Multi-choice on communication interface**
 - RS485
 - Wi-Fi, GPRS, Ethernet as option
- ⑤ **Warranty and service**
 - 5 years (10 years as option)

Certification

- Europe: GS (IEC 62109-1)
- Germany: VDE 0126-1-1
- UK: G83/1
- Italy: ENEL 2010
- Spain: RD 1663
- Belgium: C10/11
- Australia: AS3100 AS4777

ET Sloop Inverter Technical Data

ET-ISG1K5TL / ET-ISG2KTL



Type	ET-ISG1K5TL		ET-ISG2KTL	
Input (DC)				
Max. PV-Generator Power	P _{pv}	[W]	1750	2300
Max. DC Voltage	V _{max(DC)}	[V]		500
MPPT DC Voltage Range	V _{mppt}	[V]		120 - 450
Turn off DC Voltage	V _{min(DC)}	[V]		120
Max. DC Current	I _{max(DC)}	[A]		18
Nominal DC Current	I _{N(DC)}	[A]	14	16.5
Number of DC Connection				1
DC-Connection				Amphenol H4
Number of MPP trackers				1
Turn on power	P _{min(DC)}	[W]		10
Output (AC)				
Max. AC Power	P _{max(AC)}	[W]	1650	2200
Nominal AC Power	P _{N(AC)}	[W]	1500	2000
Max. AC Current	I _{max(AC)}	[A]	9.0	12.0
Nominal AC Current	I _{N(AC)}	[A]	6.5	8.5
Power Connection				Single phase
Grid Voltage Range			According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1, AS4777	
Grid Frequency Range			According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1, AS4777	
Power Factor			0.99 (>30% of Full Load)	
Harmonic Distortion (THD) at Normal Output			<2%	
AC Connector			Plug-in connector	
Power Consumption				
Own Consumption in Operation	P _{own(AC)}	[W]		30
Power Consumption at Night	P _{nig(AC)}	[W]		0
Power Consumption at Standby	P _{std(AC)}	[W]		6
Efficiency				
Max. Efficiency (at 360VDC)				97.4%
Euro Efficiency (at 360VDC)				96.6%
MPPT Efficiency				99.9%
Safety and Protection				
Internal Overvoltage Protection				Yes
DC Insulation Monitoring				Yes
Earth Fault Protection				Yes
Grid Monitoring			According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1, AS4777	
Earth Fault Current Monitoring			According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1, AS4777	
DC Current Monitoring			According to VDE 0126-1-1, RD1663, ENEL2010,C10/11,G83/1, AS4777	
Islanding Protection			According to VDE 0126-1-1, RD1663, G83/1, AS4777	
Normative Reference				
CE- Compliant According to			EN 62109, EN 61000-6-1, EN 61000-6-3, EN 61000-6-2, EN 61000-6-4 EN61000-3-2, EN61000-3-3, EN61000-3-12, EN61000-3-11	
Dimensions and Weight				
Dimensions (WxHxD)	[mm]		330x425x130	
Weight	[kg]		13	
Environmental Limits				
IP Protection Type			IP 65 according to IEC 60529	
Operating Temperature Range			-20°C to +60°C	
Relative Humidity			0% to 98%, no condensation	
Maximum Altitude (above sea level)	[m]		2000	
Noise Level	[dBA]		< 40	
General Data				
Isolation Type			Transformerless	
Cooling Concept			Convection	
Housing			Stainless steel housing for inside and outside installation	
Mounting Information			Wall bracket	
LED Display			3	
LCD Display			Backlight, 16 x 2 Character LCD	
Data Logger			RS485, Optional (Wi-Fi, GPRS, Ethernet)	
Data Communication Interfaces			RS485, Optional (Wi-Fi, GPRS, Ethernet)	
Computer Communication			RS232 as Option	
Standard Warranty			5 Years (Optional 10 years)	