

On-Grid Inverter

EGE-TP8/12KTL

8-12 KW / Three Phase / 220 V



Eco Green Energy is one of leading solar inverter manufacture and on-grid solar system provider, we can offer your our best quality product and service arround you for " all your need".

Photovoltaic(PV) projects ranging from kW-scale rooftop residential system to MW-scale large solar plant, Eco Green Energy has experienced teams responsible for sales, technical design and project management. During the process of project design, we always commit ourselves to realize the optimization of system efficiency.



Key Features

- Transformerless with the three level topology
- Max. efficiency up to 98.4%
- Dual MPTT inputs accomodating wide voltage
- Compact structure design

Flexibility

- Indoors and outdoors usage (IP65)
- Easy installation and free maintenance
- RS485/Wifi (optional) communication
- Multi-lingual display with large LCD screen

Reliability

- Reliable protection for over/under voltage, anti-islanding, short circuit, overload, etc.
- 5-years quality warranty extends to 20-years (optional)



Technical Parameters

Model No.	EGE-TP8KTL	EGE-TP10KTL	EGE-TP12KTL
DC side/Input parameters			
Max. DC power [W]	9500 W	11500 W	13200 W
Max. DC voltage [Vdc]		1000	
Min. System start/Shut down voltage [Vdc]		250	
MPPT voltage range[Vdc]		250~850	
Max. input current [A]		17x2 A	
Number of MPP trackers		2	
Strings per MPP tracker		2	
AC side/output parameters			
Nominal output power [W]	8000 W	10000 W	12000 W
Maximum output power [W]	8800 W	11000 W	13200 W
Nominal output voltage/range [V]		3/N/PE 230V/400V	
AC grid frequency/range [Hz]		50Hz,60Hz(auto-selection)	
Maximum output current [A]	15 A	17 A	20 A
AC connection (with PE)		Three phase	
Harmonics [%]	<1.5 %	<1.5 %	<1.5 %
Power factor [cos φ]	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging
Efficiency			
Maximum conversion efficiency[%]	98.2%	98.4%	98.4%
European efficiency[%]	97.7%	97.9%	98.0%
MPPT efficiency[%]	99.9%	99.9%	99.9%
Safety and protection			
DC reverse-polarity protection		YES	
Anti-islanding / Overvoltage protection		YES	
Short circuit protection		YES	
Leakage current protection		YES	
Grid monitoring / Ground fault monitoring		YES	
DC/AC side varistors(thermally protected)		YES	
General Parameters			
Dimension(L/W/H)[mm]		510*584*272 mm	
Weight (kg)		35 kg	
Night power consumption[W]		<0.2 W	
Protection degree		IP65 according to IEC60529	
Operation temperature[°C]		-25°C ~ 60°C	
Cooling concept		Natural convection	
Operating Altitude[m]		<2000m without power derating	
Humidity		<25 dB	
Display		0 - 95%, no condensation	
Communication Interface		Standard WIFI	
Certificates and ApprovalsGeneral		CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2	
Warranty		5 years	