

# On-Grid Inverter - Dual MPPT

## EGE-T3600/6000TL

### 3.6-6 KW / Single 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

-  IP65 Weather Protection
-  Excellent Low Light Sensitivity
-  Rugged cast Aluminium Chassis
-  WiFi module as standard for free
-  5 Year Warranty Standard
-  Leading edge capacitor control technology
-  Dynamic MPPT efficiency > 99.9%  
(Euro efficiency > 97.3%)



## Technical Parameters

Model No.	EGE-T3600TL	EGE-T4400TL	EGE-T5000TL (5.5kW)	EGE-T5000TL(6.5 kW)
<b>DC side/Input parameters</b>				
Max. DC power [W]	3680 W	4500 W	6000 W	7000 W
Max. DC voltage [Vdc]	550	550	550	550
Min. System start/Shut down voltage [Vdc]	75/100	75/100	75/100	75/100
MPPT voltage range[Vdc]	100~550	100~550	100~550	100~550
Max. input current [A]	13.5/13.5 A	13.5/13.5 A	15/15 A	15/15 A
Number of MPP trackers	2	2	2	2
Strings per MPP tracker	1	1	1	1
<b>AC side/output parameters</b>				
Nominal output power [W]	3300 W	4000 W	5500 W	6500 W
Maximum output power [W]	3680 W	4400 W	5500 W	6500 W
Nominal output voltage/range [V]	208,220,230,240/180~270 W			
AC grid frequency/range [Hz]	50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz			
Maximum output current [A]	16 A	21 A	23 A	26 A
AC connection(with PE)	Single phase			
Current distortion(THDi) [%]	<2.5 %	<2.5 %	<2.5 %	<2.5 %
Power factor [%]	> 99.9%	> 99.95 %	> 99.95 %	> 99.95 %
<b>Efficiency</b>				
Maximum conversion efficiency[%]	97.5%	97.6%	97.8%	97.8%
European efficiency[%]	97.1%	97.2%	97.3%	97.3%
MPPT efficiency[%]	99.9%	99.9%	99.9%	99.9%
<b>Safety and protection</b>				
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			
<b>General Parameters</b>				
Dimension(L/W/H)[mm]	480*400*180 mm			
Weight (kg)	20.1 kg			
Embedded DC Switch	Optional			
Night power consumption[W]	<0.2 W			
Isolation type	Transformerless			
Protection degree	IP65 according to IEC60529			
Operation temperature[°C]	-25°C ~ 60°C			
Cooling concept	Natural convection			
Operating Altitude[m]	<2000m without power derating			
Acoustic noise level[dB]	<25 dB			
Display	Graphic LCD			
Communication Interface	Standard WIFI			
Certificates and ApprovalsGeneral	CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2			
Warranty	5 years			