



ECO GREEN ENERGY EU
The Future is Now



ECO GREEN S Series(Standard) Single Phase Solar GTI

1.0KW/1.5KW/2.2KW/3.0KW/3.6KW
4.4KW/5.0KW/6.0KW/8.0KW/10.0KW



Big LCD display



Power export limit



Compact and easy to install



Wifi/GPRS/Lan communication optional



Simpler

Quick and easy single person installation
Fault codes warning view on LCD display
Built-in limiter optional



Safer

comply with international quality standards
tested by TÜV, BV, Dekra etc.



Great reliability

IP65 ingress protection
10+years R&D accumulation and support

ANYTIME, ANYWHERE

REMOTE MONITORING PLATFORM

Monitor system performance in
real-time via smartphone app or
web portal using out advanced
monitoring platform .

S Series Single Phase



SOLAR GRID TIED INVERTER

Technology Data

Model No	S1000TL	S1500TL	S2200TL	S3000TL	S3600TL	S4400TL	S5000TL	S6000TL
DC Side / Input Parameters								
Max DC power (W)	1500W	2250W	3300W	4500W	5400W	6600W	7500W	7500W
Max DC voltage (Vdc)	450	450	500	500	500	500	500	500
Min System start/Shut down voltage (Vdc)	65/70	75/100	75/100	75/100	75/100	75/100	75/100	75/100
MPPT voltage range(Vdc)	70~450	100~450	100~450	100~450	100~450	100~450	100~450	100~450
Max. input current (A)		13A				13A/13A		
Max.input short circuit per MPPT		13A				17A/17A		
Number of MPP trackers			1				2	
Strings per MPP tracker			1				1	
AC Side / Output Parameters								
Nominal output power (W)	1000	1500	2200	3000	3600	4000	5000	6000
Maximum output power (W)	1100	1650	2420	3300	3960	4400	5500	6600
Nominal output voltage/range (V)								
AC grid frequency/range (Hz)								
Maximum output current (A)	6	8	12	16	16	21	23	26
AC connection (with PE)								
Current distortion(THDi)	<1.5%	<1.5%	<1.5%	<1.5%	<2.5%	<2.5%	<2.5%	<2.5%
Power factor								
Efficiency								
Maximum conversion efficiency	97.3%	97.3%	97.4%	97.5%	97.8%	97.8%	97.5%	97.6%
European efficiency	97.0%	97.0%	97.1%	97.2%	97.3%	97.3%	97.2%	97.3%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Safety and Protection								
DC reverse-polarity protection								
Anti-islanding / Overvoltage protection								
Short circuit protection								
Leakage current protection								
Grid monitoring / Ground fault monitoring								
DC/AC side SPD(thermally protected)								
General Parameters								
Dimension (L/W/H)(mm)								
Weight (kg)								
Embedded DC Switch								
Night power consumption (W)								
Isolation type								
Protection degree								
Operation temperature (°C)								
Cooling concept								
Operating Altitude (m)								
Acoustic noise level (dB)								
Display								
Communication Interface								
Warranty								
Certificates and Approvals								
CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2								

SOLAR GRID TIED INVERTER

Technology Data

Model No	S6000TL(Pro)	S8000TL	S10000TL
DC Side / Input Parameters			
Max DC power (W)	9000W	12000W	15000W
Max DC voltage (Vdc)		550Vd.c.	
Min System start/Shut down voltage (Vdc)		75/100	
MPPT voltage range(Vdc)		100~500Vd.c.	
Max. input current (A)		28A/18A	
Max. input short current per MPPT (A)		40A/25A	
Number of MPPT trackers		2	
Strings per MPP tracker		2/1	
AC Side / Output Parameters			
Nominal output power (W)	6000	8000	10000
Maximum output power (W)	6600	8800	10500
Nominal output voltage/range (V)		208,220,230,240/140~310	
AC grid frequency/range (Hz)		50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz	
Maximum output current (A)	28	38.5	45.6
AC connection (with PE)		Single phase	
Current distortion(THDi)		<2.5%	
Power factor		~1%(Adjustable from 0.8 leading to 0.8 lagging)	
Efficiency			
Maximum conversion efficiency		98.1%	
European efficiency		97.5%	
MPPT efficiency		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 SPD(thermally protected)		yes	
General Parameters			
Dimension (L/W/H)(mm)		468/374/127	
Weight (kg)		11	
Embedded DC Switch		Optional	
Night power consumption (W)		< 0.2	
Isolation type		Transformerless	
Protection degree		IP65 according to IEC60529	
Operation temperature (°C)		-25 ~ +60	
Cooling concept		Smart Cooling	
Operatiing Altitude (m)		<2000m without power derating	
Acoustic noise level (dB)		< 25	
Display		Graphic LCD	
Communication Interface		Standard WIFI; RS485 (optional)	
Warranty		Standard 5 years; 7/10 years optional	
Certificates and Approvals			
CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2			



ECO GREEN S Series (Plus)

Single Phase Solar GTI

1.0KW/1.5KW/2.2KW/3.0KW
3.6KW/4.4KW/5.0KW/6.0KW

- Big LCD display
- Power export limit
- Compact and easy to install
- Wifi/GPRS/Lan communication optional



Simpler

Quick and easy single person installation
Fault codes warning view on LCD display
Built-in limiter optional



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S Series Single Phase



SOLAR GRID TIED INVERTER

Technology Data

Model No	S1000TL	S1500TL	S2200TL	S3000TL	S3600TL	S4400TL	S5000TL	S6000TL
DC Side / Input Parameters								
Max DC power (W)	1500W	2250W	3300W	4500W	5400W	6600W	7500W	7500W
Max DC voltage (Vdc)	550	550	550	550	550	550	550	550
Min System start/Shut down voltage (Vdc)	65/70	75/100	75/100	75/100	75/100	75/100	75/100	75/100
MPPT voltage range(Vdc)	70~500	100~500	100~500	100~500	100~500	100~500	100~500	100~500
Max. input current (A)			18A				22A	
Max.input short circuit per MPPT			25A				30A	
Number of MPP trackers				1				
Strings per MPP tracker				1				
AC Side / Output Parameters								
Nominal output power (W)	1000	1500	2200	3000	3600	4000	5000	6000
Maximum output power (W)	1100	1650	2420	3300	3960	4400	5500	6600
Nominal output voltage/range (V)								
AC grid frequency/range (Hz)								
Maximum output current (A)	6	8	12	16	16	21	23	28
AC connection (with PE)								
Current distortion(THDi)	<1.5%	<1.5%	<1.5%	<1.5%	<2.5%	<2.5%	<2.5%	<2.5%
Power factor								
Efficiency								
Maximum conversion efficiency	97.3%	97.3%	97.4%	97.5%	97.8%	97.8%	97.5%	97.6%
European efficiency	97.0%	97.0%	97.1%	97.2%	97.3%	97.3%	97.2%	97.3%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	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 SPD(thermally protected)					yes			
General Parameters								
Dimension (L/W/H)(mm)								
Weight (kg)								
Embedded DC Switch					Optional			
Night power consumption (W)					< 0.2			
Isolation type					Transformerless			
Protection degree					IP65 according to IEC60529			
Operation temperature (°C)					-25 ~ +60			
Cooling concept					Smart Cooling			
Operating Altitude (m)					<2000m without power derating			
Acoustic noise level (dB)					< 25			
Display					Graphic LCD			
Communication Interface					Standard WIFI; RS485 (optional)			
Warranty					Standard 5 years; 7/10 years optional			
Certificates and Approvals								
CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2								



ECO GREEN TP Series

Three Phase Solar GTI

4.0KW/5.0KW/6.0KW/8.0KW/10.0KW/12.0KW/15.0KW

- Big LCD display
- Power export limit
- Compact and easy to install
- Wifi/GPRS/Lan communication optional



Simpler

Quick and easy single person installation
Fault codes warning view on LCD display
Built-in limiter optional



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TP Series Three Phase



THREE PHASE SOLAR GRID TIED INVERTER

Technology Data

Model No	TP4KTL	TP5KTL	TP6KTL	TP8KTL	TP10KTL	TP12KTL	TP15KTL
Input (DC)							
Max DC power (W)	5500W	6500W	7500W	9500W	11500W	18000W	22500W
Max DC voltage (Vdc)				1000Vd.c.			
Min working voltage (Vdc)				160Vd.c.			
MPPT voltage range (Vdc)				160...850Vd.c.			
Max input current / per string (A)				18A/18A			
Max.input short circuit per MPPT				25A/25A			
Number of MPP trackers				2			
Strings per MPP tracker				1			
Output (AC)							
AC nominal power (W)	4000	5000	6000	8000	10000	12000	15000
Max AC apparent power (VA)	5000	6000	7000	8800	11000	13200	16500
Max output current (A)	8	10	12	15	17	20	23
Nominal AC output				50/60 Hz; 400 Vac			
AC output range				45/55 Hz ; 280 ~ 490 Vac (Adj)			
Power factor				0.8leading...0.8laging			
Harmonics				< 5%			
Grid type				3 W/N/PE			
Efficiency							
Max efficiency	98.0%	98.2%	98.2%	98.3%	98.4%	98.4%	98.4%
Euro efficiency	97.5%	97.7%	97.7%	97.8%	97.9%	97.9%	98.0%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Safety and Protection							
DC reverse-polarity protection				yes			
DC breaker				yes			
DC/AC SPD				yes			
Leakage current protection				yes			
Insulation Impedance Detection				yes			
Residual Current protection				yes			
General Parameters							
Dimension (W/H/D)(mm)				480*476*157			
Weight (kg)				16			
Operating temperature range °C				-25 ~ +60			
Degree of protection				IP65			
Cooling concept				Smart Cooling			
Topology				Transformerless			
Display				LCD			
Humidity				0-95%, no condensation			
Communication				RS485/WiFi/GPRS			
Warranty				Standard 5 years; 7/10 years optional			
Certificates and Approvals							
CQC, VDE-AR-N4105, VDE0126-1-1, AS4777, IEC61727, IEC62116							



ECO GREEN TP Series

Three Phase Solar GTI

17.0KW/20.0KW/25.0KW

- Big LCD display
- Power export limit
- Compact and easy to install
- Wifi/GPRS/Lan communication optional



Simpler

Quick and easy single person installation
Fault codes warning view on LCD display
Built-in limiter optional



Safer

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10+years R&D accumulation and support

ANYTIME, ANYWHERE

REMOTE MONITORING PLATFORM

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TP Series Three Phase



THREE PHASE SOLAR GRID TIED INVERTER

Technology Data

Model No	TP17KTL	TP20KTL	TP25KTL
Input (DC)			
Max DC power (W)	25500W	30000W	30000W
Max DC voltage (Vdc)		1000Vd.c.	
Min working voltage (Vdc)		250Vd.c.	
MPPT voltage range (Vdc)		200...850Vd.c.	
Max input current / per string (A)	26A/26A		36A/26A
Number of MPP trackers		2	
Strings per MPP tracker		2	
Output (AC)			
AC nominal power (W)	17000	20000	25000
Max AC apparent power (VA)	18700	22000	27500
Max output current (A)	25	30	36
Nominal AC output		50/60 Hz; 400 Vac	
AC output range		45/55 Hz ; 280 ~ 490 Vac (Adj)	
Power factor		0.8leading...0.8laging	
Harmonics		< 1.5%	
Grid type		3 W/N/PE	
Efficiency			
Max efficiency	98.5%	98.5%	98.5%
Euro efficiency	98.1%	98.1%	98.2%
MPPT efficiency	99.9%	99.9%	99.9%
Safety and Protection			
DC reverse-polarity protection		yes	
DC breaker		yes	
DC/AC SPD		yes	
Leakage current protection		yes	
Insulation Impedance Detection		yes	
Residual Current protection		yes	
General Parameters			
Dimension (W/H/D)(mm)		520*510*160	
Weight (kg)		23	
Operating temperature range °C		-25 ~ +60	
Degree of protection		IP65	
Cooling concept		Smart Cooling	
Topology		Transformerless	
Display		LCD	
Humidity		0-95%, no condensation	
Communication		RS485/WiFi/GPRS	
Warranty		Standard 5 years; 7/10 years optional	
Certificates and Approvals			
CQC, VDE-AR-N4105, VDE0126-1-1, AS4777, IEC61727, IEC62116			



ECO GREEN TPL Series (Low voltage) Three Phase Solar GTI

10.0KW/12.0KW/15.0KW

- Big LCD display
- Power export limit
- Compact and easy to install
- Wifi/GPRS/Lan communication optional



Simpler

Quick and easy single person installation
Fault codes warning view on LCD display
Built-in limiter optional



Safer

comply with international quality standards
tested by TÜV, BV, Dekra etc.



Great reliability

IP65 ingress protection
10+ years R&D accumulation and support

ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

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TPL Series Advantage

Designed with low voltage power input for small commercial PV applications. For the South American market of grid voltage 208V, 220V and 240V. The system configuration can be simplified instead of installation of an expensive transformer which adversely affects the system's conversion efficiency.

THREE PHASE SOLAR GRID TIED INVERTER




Technology Data

Model No	TPL10KTL	TPL12KTL	TPL15KTL
Input (DC)			
Max DC power (W)	16900W	20800W	22100W
Max DC voltage (Vdc)		600Vd.c.	
Min working voltage (Vdc)		100Vd.c.	
MPPT voltage range (Vdc)		100...550Vd.c.	
Max input current / per string (A)	28A/28A	28A/36A	28A/36A
Number of MPP trackers		2	
Strings per MPP tracker		2/2	
Output (AC)			
AC nominal power (W)	11000	14000	15000
Max AC apparent power (VA)	13000	16000	17000
Max output current (A)	32A	40A	43A
Rated AC Voltage / Range [V]		150 ~ 300	
Grid frequency / range [Hz]		50 / 60; ±5	
Adjustable Power Factor [cosφ]		0.8 leading ~ 0.8 lagging	
Output THDi (@Rated Output)		< 3%	
Efficiency			
Max efficiency	98.3%	98.4%	98.5%
Euro efficiency	98.0%	98.1%	98.2%
MPPT efficiency	99.9%	99.9%	99.9%
Safety and Protection			
DC reverse-polarity protection		yes	
DC breaker		yes	
DC/AC SPD		yes	
Leakage current protection		yes	
Insulation Impedance Detection		yes	
Residual Current protection		yes	
General Parameters			
Dimension (W/H/D)(mm)		520/520/160	
Weight (kg)		20	
Operating temperature range °C		-25 ~ +60	
Degree of protection		IP65	
Cooling concept		Smart Cooling	
Topology		Transformerless	
Display		LCD	
Humidity		0-95%, no condensation	
Communication		RS485/WiFi/GPRS	
Warranty		Standard 5 years; 7/10 years optional	
Certificates and Approvals			
CQC, VDE-AR-N4105, VDE0126-1-1, AS4777, IEC61727, IEC62116			

ECO GREEN Low Voltage Single Phase Hybrid Inverter

3.0KW/4.0KW/5.0KW/6.0KW/8.0KW/10.0KW



-  Big lcd display
-  Excellent off grid ability
-  Power export limit
-  Wifi/GPRS/Lan communication optional



Simpler

Quick and easy single person installation
Fault codes warning view on LCD display
Built-in limiter optional



Safer

comply with international quality standards
tested by TUV,BV,Dekra etc.



Great reliability

IP65 ingress protection
10+years R&D accumulation and support

ANYTIME, ANYWHERE

REMOTE MONITORING PLATFORM

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EPL Series Single Phase



SINGLE PHASE HYBRID INVERTER

Technology Data

EPL Series EPL8KTL (3.0KW / 4.0KW / 5.0KW / 6.0KW / 8.0KW / 10.0KW)

Model	EPL3000TL	EPL4000TL	EPL5000TL	EPL6000TL	EPL8000TL	EPL10KTL
Input(DC)						
Max DC power	4500w	6000w	7500w	9000w	12000w	14000w
Max DC Voltage	500V					
MPPT voltage range	100-450Vd.c					
Rated PV Input Voltage	360V (100-500V)					
Full Load DC Voltage Range	200-425V					
PV Input Current	18A/18A				27A/27A	
Max.PV Isc	25/25				50/50	
Number of MPP trackers	2				2	
Strings per MPP tracker	1				2	
BATTERY INPUT						
Battery type	Lead-acid or Li-ion					
Battery voltage range	40-60V					
Max charge current	80A	100A	120A	150A	200A	210A
Max discharge current	80A	100A	120A	150A	200A	210A
External Temperature Sensor	Yes					
Charging Curve	3 Stages/Equalization					
Charging Strategie for Li-Ion Batteries	Self-adaption to BMS					
OUTPUT(AC)						
Rated AC Output Active Power	3000W	4000W	5000W	6000W	8000W	10000W
Maximun AC Output Active Power	3300W	4400W	5500W	6600W	8800W	10500W
AC Output Rated Current	13.1A	17.4A	21.8A	26.2A	34.8A	43.5A
Max AC Output Current	15A	20A	24.2A	28.8A	38.5A	45.6A
Max Continuous AC Passthrough	35A				65A	
Peak Power(off grid)	2 time of rated power, 10s					
Power Factor Adjustment Range	0.8 leading to 0.8 lagging					
Power Factor	1					
Output Frequency and Voltage	50/60HZ; L/N/PE 220/230Vac					
Grid Type	single phase					
Total Harmonic Distortion(THD)	<0.5%In					
EFFICIENCY						
Max Efficiency	97.60%				97.80%	
Euro Efficiency	96.50%				96.60%	
MPPT Efficiency	99.90%					
PROTECTION						
Interrated	Anti-islanding protection, PV String Input Reverse Polarity Protection Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection Output Shorted Protection, Surge Protection					
Over Voltage Category	DC Type II/AC Type III					
General Data						
Operation Temperature Range	-40-60 C , >45 C Derating					
Cooling	Smart Cooling					
Noise	≤30dB					
Communication with BMS	RS485; CAN					
Weight	25KG					
Dimension(W/H/D)(mm)	520*420*180					
Protection Degree	IP65					
Installation Style	Wall-mounted					
Warranty	Standard 5 years; 7/10 years optional					



ECO GREEN High Voltage Three Phase Hybrid Inverter

4.0KW/5.0KW/6.0KW/8.0KW/10.0KW/12.0KW

- Big lcd display
- Three phase unbalanced output
- Power export limit
- Wifi/GPRS/Lan communication optional



High Output

Working in 45 degrees high temperature without power degradation



Accuracy

Anti-back flow control accuracy <20W



SML/DRED Function

The latest SML/DRED functions are standard for the entire series

ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform .



EPH Series Three Phase



THREE PHASE HYBRID INVERTER

Technology Data

EPH Series EPH10KTL (4KW / 5KW / 6KW / 8KW / 10KW / 12KW)

Model No	EPH4KTL	EPH5KTL	EPH6KTL	EPH8KTL	EPH10KTL	EPH12KTL
Input (DC)						
Max DC power	6000W	7500W	9000W	12000W	15000W	15000W
Max DC voltage				1000Vd.c.		
MPPT voltage range				200...850Vd.c.		
Max input current/per string				13A/13A		
Max.input short circuit per MPPT				18A/18A		
Number of MPP trackers				2		
Strings per MPP tracker				1		
Battery Input						
Battery Type				Li-Ion		
Battery voltage range				130-700V		
Maximum charge/discharge current				25/25A		
Charge strategy for Li-ion Battery				Self-adaptation to BMS		
Output (AC)						
AC nominal power	4000VA	5000VA	6000VA	8000VA	10000VA	12000VA
Max AC apparent power	5000VA	5500VA	7000VA	8800VA	11000VA	13200VA
Max output current	8A	10A	12A	15A	17A	20A
Nominal AC output				50/60Hz; 400/350		
AC output range				45/55Hz;280~490Vac(Adj)		
Power factor				0.8leading...0.8laging		
Harmonics factor				<3%		
Grid type				3W/N/PE		
Three-phase unbalance output	0~100%	0~100%	0~100%	0~100%	0~100%	0~80%
AC Output (Back-up)						
Max AC apparent power	4000VA	5000VA	6000VA	8000VA	10000VA	10000VA
Norminal Output Voltage				400/380V		
Norminal Output Frequency				50/60HZ		
Output THDV (@Linear Load)				<3%		
Efficiency						
Maximum conversion efficiency	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%
European efficiency	97.3%	97.3%	97.5%	97.5%	97.5%	97.5%
Max battery to AC Efficiency	97.2%	97.2%	97.4%	97.4%	97.4%	97.4%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Safety and Protection						
DC reverse-polarity protection				yes		
DC breaker				yes		
DC/AC SPD				yes		
Leakage current protection				yes		
Insulation Impedance Detection				yes		
Residual Current protection				yes		
Output short circuit protection				yes		
Battery reverse connection protection				yes		
General Parameters						
Dimension (W/H/D)				516*427*183.5mm		
Weight				26 kg		
Operating temperature range °C				-25°C...+60 °C		
Degree of protection				IP65		
Cooling concept				Natural convection		
Topology				Transformerless		
Display				LCD		
Humidity				0-95%,no condensation		
Communication				Standard WiFi;GPRS/LAN(optional)		
Warranty				Standard 5 years; 7/10 years optional		
BMS communication				CAN/RS485		
Meter communication				RS485		
Certificates and Approvals						
CQC, VDE-AR-N4105,IEC61727, IEC62116, VDE0124-AR-N0124, EN50549, IEC62109, IEC62477						

