



# Low Voltage Single Phase Hybrid Inverter

3.0KW/4.0KW/5.0KW/6.0KW/7.0KW/8.0KW/10KW

- 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  
smart meter 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

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



EPL Series Single Phase



## SINGLE PHASE HYBRID INVERTER

pv inverter expert

### Technology Data

EPL Series EPL8KTL ( 3.0KW/4.0KW/5.0KW/6.0KW/7.0KW/8.0KW/10KW )

Model	EPL3000TL	EPL4000TL	EPL5000TL	EPL6000TL	EPL8000TL	EPL10KTL
<b>Input(DC)</b>						
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	13+13A				26+26A	
Max,PV Isc	25+25				50+50	
Number of MPPT trackers				2		
Number of input string	1+1					2+1
<b>BATTERY INPUT</b>						
Battery type	Lead-acid or Li-Ion					
Battery voltage range	40-60V					
Maximum charge current	80A	100A	120A	150A	200A	210A
Maximum discharge current	80A	100A	120A	150A	200A	210A
External Temperature Sensor	Yes					
Charging Curve	3 Stages/Equalization					
Charging Strategy for Li-Ion Batteries	Self-adaption to BMS					
<b>OUTPUT(AC)</b>						
Rated AC Output Active Power	3000W	4000W	5000W	6000W	8000W	10000W
Maximum AC Output Active Power	3300W	4400W	5500W	6600W	8800W	10500W
AC Output Rated Current	13.1A	17.4A	21.7A	26.1A	34.8A	43.5A
Maximum AC Output Current	15A	20A	25A	28.8A	38.5A	45.6A
Maximum Continuous AC Passthrough	35A				50A	
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					
<b>EFFICIENCY</b>						
Max Efficiency	97.60%			97.80%		
Euro Efficiency	96.50%			96.60%		
MPPT Efficiency	99.90%					
<b>PROTECTION</b>						
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					
<b>General Data</b>						
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*510*55					
Protection Degree	IP65					
Installation Style	Wall-mounted					
Warranty	5years(10 Years Optional)					