



Thinkpower 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 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 our advanced
monitoring platform .



EPL Series Single Phase



For more about Thinkpower EPL series hybrid inverter
please visit www.thinkpower.com.cn

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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					