



Thinkpower 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

Thinkpower Romania: Bucuresti,sector2,str.Delea Veche nr24,CorpA,etaj6,modul M1



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 out advanced
monitoring platform .



EPH Series Three Phase



Fore more about Thinkpower EPH series hybrid inverter
please visit www.pvthink.com

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THREE PHASE HYBRID INVERTER

Technology Data

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

Model	EPH4KTL	EPH5KTL	EPH6KTL	EPH8KTL	EPH10KTL	EPH12KTL
Input(DC)						
Max DC power	6000W	7500W	9000W	12000W	15000 W	15000W
Max DC voltage	1000 Vd.c.					
MPPT voltage range	200...850 Vd.c.					
Max input current/per string	13Ax2					
Number of MPP trackers	2					
Number of input string	2					
Battery Input						
Battery Type	Li-Ion					
Battery voltage range	180-700V					
Maximum charge/discharge current	25/25A					
Charge strategy for Li-Ion Battery	Self-adaptation to BMS					
Output(AC)						
AC nominal power	4000 VA	5000 VA	6000 VA	8000 VA	10000 VA	12000 VA
Max AC apparent power	5000 VA	5500 VA	7000 VA	8800 VA	11000 VA	13200 VA
Max output current	8 A	10A	12A	15 A	17A	20 A
Nominal AC output	50/60 Hz ; 400/350					
AC output range	45/55 Hz ; 280~490 Vac (Adj)					
Power factor	0.8 leading ...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	4000 VA	5000 VA	6000 VA	8000 VA	10000 VA	10000 VA
Norminal Output Voltage	400/380 V					
Norminal Output Frequency	50/60 HZ					
Output THDV (@Liuear 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%
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)	548*444*184mm					
Weight	27 kg					
Operating temperature range	-25 °C ... +60 °C					
Degree of protection	IP65					
Cooling concept	Natural convection					
Topology	Transformerless					
Display	LCD					
Humidity	0-95%,no condensation					
Communcation	GPRS/WIFI(Optional)					
BMS communication	CAN/RS485					
Meter communication	R485					
Certificates and Approvals						
CQC,VDE-AR-N4105,VDE0126-1-1,AS4777,IEC61727,IEC62116						