
Hybrid inverter EPH4KTL-EPH12KTL





Three Phase Hybrid Inverter



Charge controller and inverter integrated



Various working mode programmable



Built-in sound and light alarm function



Three phase loads unbalanced output



IP65 rated for outdoor installation



Remote monitoring, app and web available

Model No	EPH4KTL	EPH5KTL	EPH6KTL	EPH8KTL	EPH10KTL	EPH12KTL
	Input(DC)					
Max. DC power	5500W	6500W	7500W	9500W	11500W	13200W
Max. DC voltage	1000Vd.c					
MPPT voltage	250~850 Vd.c					

range						
Max. input current	13A*2					
Number of MPP trackers	2					
Strings per MPP tracker	1					
Battery input						
Battery type	Li-Lon					
Battery voltage range	180-700V					
Maximum charge/discharge current	25/25A					
Charge strategy for Li-tou Battery	Self-adaptation to BMS					
Output (AC)						
AC nominal power	4000W	5000W	6000W	8000W	10000W	12000W
Max AC apparent power	5000VA	5500VA	7000VA	8800VA	11000VA	13200VA
Nominal AC output	8A	10A	12A	15A	17A	20A
AC output range	50/60Hz; 280-490Vac(Adj)					
Power factor	0.8 leading ...0.8 lagging					
Harmonics	<3%					
Grid type	3W/N/PE					
Three-phase unbalance output	100%					80%
AC Output(Back up)						
Max AC apparent power	4000VA	5000VA	6000VA	8000VA	10000VA	12000VA
Norminal output voltage	400/380V					
Norminal output frequency	50/60Hz					
Output THDV(@Liuear Load)	<3%					
Efficiency						
Maximum conversion	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%

efficiency						
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						
Dimensions	548/444/184mm					
Weight	27kg					
Operating temperature range	-25°C... 60°C					
Degree of protection	IP65					
Cooling concept	Natural convection					
Topology	Transformerless					
Display	LCD					
Humidity	0-95%, no condensation					
Communication	GPRS/WIFI(Optional)					
BMS communication	CAN/ RS485					
Meter communication	RS485					
Warranty	5 Years					

Product link : <https://www.pvthink.com/hybrid-inverter-4kw5kw6kw8kw10kw12kw.html>