

■ EPH 4-12KTL



Big LCD display



Power export limit



Compact and easy to install



Wifi / GPRS / Lan communication optional



Great reliability



Good safety and quality



Specifications

Model	EPH4KTL	EPH5KTL	EPH6KTL	EPH8KTL	EPH10KTL	EPH12KTL
Input(DC)						
Max DC power	6000W	7500W	9000W	12000W	15000W	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	6000VA	8000VA	10000VA	12000 VA
Max AC apparent power	5000 VA	5500 VA	7000VA	8800 VA	11000VA	13200 VA
Max output current	8A	10A	12A	15A	17A	20A
Nominal AC output	50/60 Hz:400/350					
AC output range	45/55 Hz:280-490 Vac(Adj)					
Power factor	0.8leading~0.8lagging					
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
Nominal Output Voltage	400/380V					
Nominal Output Frequency	50/60 Hz					
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)	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	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						