

HPI Series



Three Phase Hybrid Inverter



- Monitor system performance in real-time via smartphone app or web portal using out advanced monitoring platform.
- Working in 45 degrees high temperature without power degradation.
- Anti-backflow control accuracy <20W.
- The latest SML/DRED functions are standard for the entire series.

Product Features



Big LCD display



Power export limit



Wifi/GPRS/Lan communication optional



Compact and easy to install

THREE PHASE SOLAR GRID TIE INVERTER

Technology Data

Model No	HPI4KTL	HPI5KTL	HPI6KTL	HPI8KTL	HPI10KTL	HPI12KTL
Input(DC)						
Max DC power	6000W	7500W	9000W	12000W	15000W	15000W
Max DC voltage	1000Vd.c.					
MPPT voltage range	200...850Vd.c.					
Max input current/per string	13A/13A					
Max input short circuit per MPPT	18A/18A					
Number of MPP trackers	2					
Number of input string	1					
Battery Input						
Battery Type	Li-Ion					
Battery voltage range	130-700V					
Maximum charge/discharge current	25/25A					
Charge strategy for Li-Ion Battery	Self-adaptation to BMS					
Output (AC)						
AC nominal power	4000VA	5000VA	6000VA	8000VA	10000VA	12000VA
Max AC apparent power	5000VA	5500VA	7000VA	8800VA	11000VA	13200VA
Max output current	8A	10A	12A	15A	17A	20A
Nominal AC output	50/60Hz; 400/350					
AC output range	45/55Hz;280~490Vac(Adj)					
Power factor	0.8leading...0.8lagging					
Harmonics factor	<3%					
Grid type	3WN/PE					
Three-phase unbalance output 0~100%	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	50/60HZ					
Output THDV(@Linear Load)	<3%					
Efficiency						
Maximum conversion efficiency	98.00%	98.00%	98.20%	98.20%	98.20%	98.20%
European efficiency	97.30%	97.30%	97.50%	97.50%	97.50%	97.50%
Max battery to AC Efficiency	97.20%	97.20%	97.40%	97.40%	97.40%	97.40%
MPPT efficiency	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%
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)	516*427*183.5mm					
Weight	26 kg					
Operating temperature range°C	-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,VDE0124AR-N0124,EN50549,IEC62109,IEC62477						