PTT solar
Power tomorrow, Today



ON / OFF GRID
IP65 HYBRID INVERTER

PIHL6KS-S / PIHL8KS-S

Easy For Installation
• The product has a compact and robust design, Easy installation for contractor or home owner.

Smart BMS
• The inverter supports BMS communication.

IP65 Protection Level
• IP65, fanless design,long lifespan.

Intelligent working mode
• This inverter has a variety of intelligent ways of working.

UPS function
• With UPS function,switch time<10ms.

Remote monitoring
• Remote monitoring via APP or Web.

MODEL	PIHL6KS-S	PIHL8KS-S
INVERTER INPUT /OUTPUT (GRID)		
Rated Power	6kW	8kW
Rated Voltage	220/230/240Va.c.,L+N+PE	
Rated Frequency	50 Hz / 60 Hz	
Power Factor Range	0.8 leading~ 0.8 lagging	
Switch Time	<10 ms	
Current (Maximum Continuous)	26.1 A a.c.	34.7 A a.c.
Max. Output Overcurrent Protection	250 Va.c./63 Aa.c.	
BATTERY		
Battery Type	Lithium / Lead-acid	
Battery Voltage Range	45~58V d.c.	
Rated Battery Voltage	51.2 V d.c.	
Max. Charge Current	143 A d.c.	195 A d.c.
Max. Discharge Current	143 A d.c.	195 A d.c.
Reverse Connect Protection	Yes	
PV INPUT		
No. of MPPT Tracker / Strings	2/1+1	
Max. PV Array Power	9.0 kW	12.0 kW
Max. DC Voltage	550Vd.c.	
MPPT Voltage Range	120~500Vd.c.	
Start-up Voltage	120 V d.c.	
Max. Input Current	16+ 16A d.c. (8 kW: 18+ 18 A d.c.)	
Isc PV (Absolute Maximum)	24+24A d.c.	
AC OUTPUT (EPS)		
EPS Rated Output Voltage	220/230/240Va.c.,L+N+PE	
EPS Rated Output Frequency	50 Hz/60 Hz	
EPS Rated Output Active Power	6 kW	8 kW
EPS Rated Output Apparent Power	6 kVA	8 kVA
EPS Rated Output Current	26.1 A a.c.	34.7 A a.c.
Overload Capacity (Off Grid)	120% 60s / 150% 30s / 200% 10s	
EFFICIENCY		
MPPT Efficiency	99.90%	
Euro-efficiency	97.00%	
Max. Efficiency	97.80%	
PROTECTION & FEATURE		
Insulation Monitoring	Yes	
Residual Current Monitoring	Yes	
Parallel Function	Yes	
Protection Degree	IP65	
Certifications	CE10-21,EN 50549-1,VDE-AR-N 4105, UNE 217002,NTSTYPEA, G99,AS/NZS 4777.2	
Other Protection	Overload, Over temperature, Shortcircuit, Active anti-islanding method	
GENERAL PARAMETER		
Storage Temperature	-25°C~+60°C	
Operating Temperature	-25°C~+60°C(Linely derating to 80% when exceed +45°C~ +60°C)	
Humidity	0-100% (Non-condensing)	
Operating Altitude	2000 m (>2000 m Derating)	
Noise	<35 dB	
Machine Dimensions (W*H*D)	506*556*206 mm	
Machine Weight / N.W.	25.6 kgs	27 kgs
DISPLAY&COMMUNICATION		
Display	LED + APP	
Interface	CAN /RS485/Bluetooth /WiFi/4G/DRM (Optional)	

Testing conditions are based on temperature 25°C at the beginning of life.

Product specifications are subject to change without further notice.