



IP21 ON / OFF GRID HYBRID INVERTER

PIHL12S-X / 36S-X / 62S-X / 65S-X / 120S-X



Easy For Installation

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



Built-in anti-dust kit

- Built-in anti-dust kit for harsh environment.



Dual Communication Ports

- Dual communication ports for Battery communication and Wifi communication.



Detachable Dust Cover

- The inverter is equipped with a detachable dust cover, ensuring a high safety factor.



Intelligent working mode

- This inverter has a variety of intelligent ways of working.



WiFi Monitoring (optional)

- The inverter can be equipped with wifi monitoring.

MODEL	PIHL12S-X	PIHL36S-X	PIHL62S-X	PIHL65S-X	PIHL120S-X
AC INPUT					
Rated Input Voltage (VAC)	208/220/230/240; L+N+PE				
Voltage Range (VAC)	90~280+3 (normal mode);170~280+3 (UPS mode)				
Frequency (Hz)	50/60 (Auto Adaptive)				
AC OUTPUT					
Rated Capacity(kW)	1.2	3.6	6.2	6.5	12
Surge Power(kVA)	2.4	7.2	12	13	24
Voltage(VAC)	208 / 220 / 230 / 240				
Power Factor (PF)	1				
Frequency	50/60Hz±0.1%				
Wave Form	Pure Sine Wave				
Max. Efficiency (Battery Mode)	90%@12VDC	92.7%@24VDC	94%@48VDC	94%@48VDC	94%@48VDC
Parallel Quantity	\	\	\	9	\
CHARGER(PV/AC)					
Solar Charger Type	MPPT				
Max PV input current/power	18A/800W	18A/5000W	27A/9000W	27A/9000W	27A×2/15000W
MPPT Range@Operating Voltage(VDC)	17~115	40~450	60~450	60~450	60~450
Max PV Open Circuit Voltage (VDC)	115	500	500	500	500
Max PV Charge Current (A)	50	100	120	120	160
Max AC Charge Current (A)	50	100	120	120	160
Max.Charge Current (PV+AC)(A)	100	100	120	120	160
BATTERY					
Normal Voltage(VDC)	12	24	48	48	48
Floating Charge Voltage (VDC)	13.8	27	54	54	54
Overcharge Protection (VDC)	15	30.5	61	61	61
Battery Type	Lithium and Lead-acid				
INTERFACE					
HMI	LCD				
Interface	RS485 / CAN				
Monitoring	\	\	WiFi(Optional)		
GENERAL DATA					
Ingress Protection	IP21				
Operating Temperature	-10°C-55°C				
Relative Humidity	5%-95%(Non-condensing)				
Dimensions (H*W*D)	319*236*98mm	445.5*301.5*106mm	421*350*122mm	514*338*136.5mm	495*425*120mm

Testing conditions are based on temperature 25°C at the beginning of life.
Product specifications are subject to change without further notice.