PTT solar
Power tomorrow, Today



OFF GRID HYBRID INVERTER

PILL3KS-N / PILL5KS-S / PILL7KS-N

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.

Dual Communication Ports
• Dual communication ports for Battery communication and Wifi communication.

Smart battery charge design
• Smart battery charge design to optimize battery life.

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

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

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MODEL	PILL3KS-N	PILL5KS-S	PILL7KS-N
Rated Power	3200VA	5500VA	7000VA
INPUT			
Voltage	230VAC		
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)		
Frequency Range	50Hz/60Hz(Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt.Mode)	230VAC±5%		
Surge power	6400VA	7500VA	14000VA
Transfer Time	10ms(for personal computers) 20ms(for home appliances)		
Waveform	Pure Sine Wave		
BATTERY&ACCHARGER			
Battery Voltage	24VDC	48VDC	48VDC
Floating Charge Voltage	27VDC	54VDC	54VDC
Over Charge Protection	31VDC	60VDC	61VDC
Maximum charge current	60A	80A	80A
SOLAR CHARGER			
MAX.PV Array Power	3000W	6000W	6000W
MPPT Range @ Operating Voltage	55-450VDC	120-430VDC	55-450VDC
Maximum PV Array Open Circuit Voltage	450VDC	500VDC	450VDC
Maximum Charging Current	80A	80A	110A
Maximum Efficiency	98%		
PHYSICAL			
Dimension.W*D*H(mm)	286*98*405mm	335*125*470mm	290*105*423mm
Net Weight(kgs)	5.0kgs	8.6kgs	7.5kgs
Communication Interface	RS232/RS485(Standard) WIFI(Optional)		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-10°C to 60°C		
Working Altitude	4000m (> 1000m derated)		
PROTECTION AND CHARACTERISTICS			
Parallel Function	No	Yes (up to 6 units)	No
Class Of Protection	Ip20, indoor use only		
Other Protection	Overload protection, Over temperature protection, Short circuit protection		

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