

HYBRID SOLAR INVERTER

PH21 Series

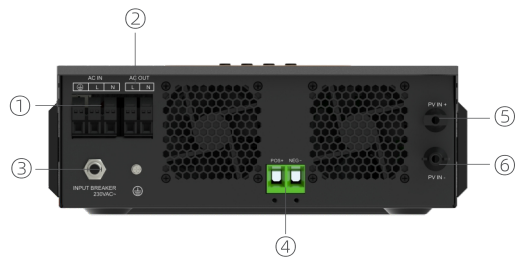


- Grid-tie with backup+Off-Grid
- Built-in MPPT solar charge controller
- Wide PV input voltage range 60-450 VDC
- Configurable AC/solar priority via LCD settings
Inverter can operate without battery(except PH-1.2K)
- Smart battery charging design optimizes battery life
- WiFi APP monitoring optional
- High efficiency
- BMS communication port

PH21-1.2K/3.6K/6.2K



Back panel descripton



- 1.AC input
- 2.AC output
- 3. Circuit breaker
- 4.Battery input
- 5.PV+ input
- 6.PV- input

Home Energy Storage System



Mode Name	PH21-1.2K	PH21-3.6K	PH21-6.2K
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Battery input data			
Battery Type	Lithium battery or lead acid battery		
Rated battery voltage	12 VDC	24 VDC	48 VDC
Floating charging voltage	13.5 VDC	27 VDC	54 VDC
Overcharge protection voltage	14.6 VDC	29.2 VDC	58.4 VDC
Max. Charge/Discharge Current	60A	80A	80A

PV input data			
Maximum DC input power	2000W	4000W	6000W
Maximum DC input voltage	450 VDC	500 VDC	
MPPT Operating voltage range	25-400 VDC	35-450 VDC	60-450 VDC
Starting voltage	About 35 VDC	About 45 VDC	About 70 VDC
Maximum input current	11A	16A	18A
MPPT number	1	1	1

AC output parameters			
Rated output apparent power	1200W	3600W	6200W
Maximum output apparent power	>150%, 5s;110%-150% 10s		
Rated output voltage	220/230/240 Vac ± 5%		
Selectable voltage range	170-280VAC (UPS) 90-280VAC(APL)		
Rated output frequency	50Hz/60Hz (Auto sensing)		
Max output current	5.2A	15.6A	27.0A
Operate without battery	N/A	YES	YES

Solar and AC Charge			
Max solar charge current	60A	80A	
Max AC charge current	60A	80A	
Maximum charge current	60A	80A	

Efficiency			
Max efficiency (AC)	>99.0%(Full load with battery connect)		
Max efficiency (Battery)	92%	94%	

Physical			
Dimensions D*W*H(mm)	354*261*99	334*309*109	440*309*109
Package Size D*W*H(mm)	472*345*180	452*395*190	558*395*190
Net weight(kg)	5.7	8.3	9.6
Gross weight(kg)	6.7	9.3	10.6
Communication Interface	N/A	WIFI/RS485(BMS)	WIFI/RS485(BMS)

Environment			
Humidity	5% to 95% relative humidity (non-condensing)		
Operating temperature	-10°C ~55°C		
Storage temperature	-15°C ~60°C		

*Product specifications are subject to change without further notice