

Photovoltaic Solar Inverter (green /blue/white)



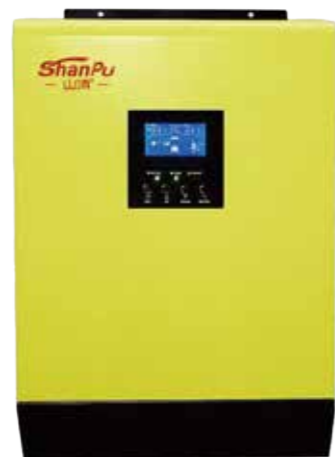
FUNCTIONS

- Off-grid inverter, supports utility and photovoltaic solar inputs
- DPS digital control technology, double conversion on-line design
- Adopt input PFC technology, input power up to 0.99
- Battery equalization function optimizes battery performance
- Utility/photovoltaic/battery/multi-mode optimal output
- Supports battery cold start
- Built-in dust kit, suitable for harsh environments
- Supports WIF communication (optional)

Model	SP-PU-3.5K	SP-PU-5.5K
Rated power	3500VA	5500VA
AC input		
Voltage	230Vac	230Vac
Voltage range	170-280Vac(for PC) , 90-280Vac(for home appliances)	
Frequency	50/60HZ	50/60HZ
PV input		
Max PV array power	5000W	5500W
Max PV array open-circuit voltage	500Vdc	500Vdc
MPPT range @ working voltage	120Vdc-450Vdc	120Vdc-450Vdc
Rated voltage	240V	240V
MPPT quantity	1	1
Output parameters		
PV/battery mode		
Voltage	230V±5%	230V±5%
Frequency	50/60Hz	50/60Hz
Efficiency	93%	931%
Max output power	3500W	5500W
Conversion time	10ms(Typical UPS), 20ms(Home appliances)	
Harmonic	3%	3%
Overload capacity	5s@≥150%load;10s@110%-150%load	
Municipal power mode		
Voltage	230Vac±5%	230Vac±5%
Frequency	50Hz	50Hz
Efficiency	95%	95%
Battery		
Battery voltage	24V	48V
Charging method	Three stage charging	
Max charging current (MPPT)	80A	80A
Maximum charging current (AC)	80A	80A
Max charging current	100A	100A
Cold start voltage	23V	46V
Battery type	Lead acid, AGM, lithium battery	
Protection function	Short circuit, overload, over temperature protection and other functions	
Communication port	RSS-232,USB	RSS-232,USB
Operation temperature	-10℃-50℃	-10℃-50℃
Physics		
Dimensions (D/W/H)	100x300x400mm	100x300x400mm
Net weight	9.5kg	9.7kg

Products specifications are subject to change without further notice

Photovoltaic Solar Inverter 5KW



FUNCTIONS

- Hybrid solar inverter(on/off grid inverter),
- DPS digital control technology, double conversion online design
- PFC technology, input power up to 0.99, high-efficiency inverter topology
- Battery equalization function to optimize battery
- Built-in 80 A MPPT solar charger for higher energy storage efficiency
- Utility/photovoltaic/battery/multi-mode mode optimized output
- Supports battery cold start
- Built-in dust-proof kit for harsh environments
- Parallel operation with up to 9 units (45KVA)

Model	SC-IG-5KW	Batter Moyde	
Rated power	5000VA	Rated voltage	220/230/240VAC
PV input		Wave form	pure sine wave
Maximum PV array power	5000W	Efficiency	93%
Maximum PV array open-circuit voltage	450Vdc	Energy storage battery	
MPPT range @ working voltage	120Vdc-430Vdc	Battery voltage	48V
Maximum PV array power	5000W	Max charging current	80A
Rated voltage	240V	Maxi charging current	80A
MPPT quantity	1	Max charging current	80A
On grid working mode (AC)		Battery type	Lead acid, AGM, lithium battery
(AC) On grid output (AC)		Interface	
Rated voltage	220/230/240Vac	Parallel function	Parallel up to 9 units
Grid voltage range	184~264.5VAC	External module (optional)	Yes
Grid frequency range	47.5~51.5Hz	Communication interface	USB, RS232, Dry connect
Maximum output current	21.7A	Protection function	short circuit, overload, over temperature protection and etc.
Power factor	>0.99		
Max conversion efficiency	93%	Operation temperature	-10°C-50°C
Off grid working mode		Storage temperature	-15°C-60°C
Municipal power mode		relative humidity	5%-95%
Voltage range	170-280Vac (PC) 90-280Vac (Home appliance)	Physics	
Frequency	50Hz	Size (D/W/H)	120x295x468mm
Efficiency	95%	Net weight	12KG

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Photovoltaic Solar Inverter 8kw/11kw



FUNCTIONS

- Hybrid solar inverter(on/off grid inverter)
Supporting PV, utility and battery access.
- Optional priority of utility , photovoltaic , battery mode
- Colorful RGB light ring ,touchscreens display
- Built-in WiFi module, support APP remote monitoring
- Battery equalization function to optimize battery, extended battery life
- BMS communication interface: CAN-BUS, RS485 or RS232.
- Built-in dust-proof mesh kit for harsh environments
- Paralleling function , up to 9 units in parallel

Model	SP-PU-8KW	SP-PU-11KW
Rated power	8000VA	11000VA
AC input		
Voltage	230Vac	230Vac
Voltage range	170-280Vac(for PC), 90-280Vac(for home appliances)	
Frequency	50/60HZ	50/60HZ
PV input		
Max PV array power	8KW	11KW
Max PV array open-circuit voltage	500Vdc	500Vdc
MPPT range @ working voltage	90Vdc-450Vdc	90Vdc-450Vdc
Rated voltage	240V	360V
Starting voltage	80V+/-5Vdc	80V+/-5Vdc
MPPTquantity	2	2
Max input current	18A*2	24.5A*2
Output parameters		
PV/battery mode		
Voltage	230V±5%	230V±5%
Maximum output power	8KW	11KW
Conversion time	10ms(typical UPS),20ms(home appliances)	
Harmonic	≤3	≤3
Overload capacity	5s@≥150%load;10s@110%-150%load	
Municipal power mode		
Voltage	230Vac±5%	230Vac±5%
Efficiency	95% (Resistive load, fully charged battery)	
Battery		
Battery voltage	48V	48V
Charging method	Three stage charging	
Maximum charging current	120A	120A
Cold start voltage	46Vdc	46Vdc
Battery type	Lead acid, AGM, lithium battery	
Interface		
Battery management function	BMS	BMS
Parallel function	Parallel operation up to 6 units	
Communication interface	RJ45,RS-232,RS-485,USB,WIFI/APP	
Protection function	Short circuit, overload, over temperature protection and other functions	
Operation temperature	-10℃-50℃	-10℃-50℃
Physics		
Dimensions (D/W/H)	144x420x590mm	144x420x590mm
Net weight (KG)	11	12
Standards	CE	CE

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