

OFF-GRIDSOLARINVERTER

10 kVA ~ 120 kVA (3:3)

- Multiple MPPT charger controllers
- Hot-swap MPPT modules for easy maintenance and expansion
- Configurable battery parameters via LCD settings
- Self-regulation for charging voltage and current
- Intelligent AC and PV complementation power supply
- Intelligent staggering power consumption function
- Multiple remote control



Off-gridSolarInverter

Specifications

MODEL	SP10K	SP100C	SP100K	SP100E	SP100K	SP100K	SP100K	SP100K
Rated power	10KW	100KW	200KW	300KW	400KW	500KW	600KW	120KW
Operating mode	A-Cool PV complementation							
Pile PLU								
Max. input power	10KW	100KW	200KW	300KW	400KW	500KW	600KW	120KW
Max. input voltage	700Vdc							
Rated input voltage	550Vdc							
Max. PV voltage	1 (battery voltage) 600Vdc							
Max. input current	100A	1000A	2000A	3000A	4000A	5000A	6000A	1200A
MPPT voltage range (PV limit)	400 - 600Vdc							
Number of MPPTs	1+1 (2 channels)	2+1 (3 channels)	3+1 (4 channels)	4+1 (5 channels)	5+1 (6 channels)	6+1 (7 channels)	7+1 (8 channels)	8+1 (9 channels)
Adapt.								
Input voltage	300Vdc ± 20% (3w voltage), 1000V - phase (battery)							
Input frequency	50/60Hz ± 0.5% (5w voltage), 50Hz - phase + N + PE (battery)							
Output								
Output voltage	220V / 230V / 415Vdc ± 1% (3w voltage), 1000V - phase + N + PE							
Output frequency	50/60Hz ± 0.1Hz							
Rated output current	100A	1000A	2000A	3000A	4000A	5000A	6000A	1200A
Waveform	Sine wave							
THD	THD ≤ 3% (5w limit)							
Battery								
Battery type	Lead-acid battery / Li-Ion battery (optional)							
Battery voltage	200Vdc							
Charging current	100% (optional), adjustable based on battery brand and battery capacity							
Max. PV power								
PV ↔ AC	0 way							
Efficiency	Efficiency >							
Max. efficiency	≥ 91%	≥ 92%	≥ 93%	≥ 94%	≥ 95%	≥ 96%	≥ 97%	≥ 98%
MPPT efficiency	≥ 98% (max.)							
Others								
Protection	Over-voltage, under-voltage, over-temperature, output overload, short-circuit, over-temperature, battery low voltage, overcharge, PV reverse polarity							
Communication	RS485 / RS485 / dry contact (optional), GPRS / 4G / LTE / NB-IoT (optional)							
Display	LCD & LED							
Material	SP100K-1, SP100K-2, SP100K-3							
IP rating	IP65							
Operating temperature	0°C ~ 40°C							
Relative humidity	95% (non-condensing)							
A-Sound	100dB at rated power (standing 1.5m from additional 100cm), Max. 400dB							
Noise level (m)	≤ 60dB (1m) (with load and temperature)							
Dimensions (W×D×H) mm	400×400×1700	600×700×1700	800×700×1700	1000×700×1700	1200×700×1700	1400×700×1700	1600×700×1700	1800×700×1700
Packaged dimensions (W×D×H) mm	450×450×1750	650×750×1750	850×750×1750	1050×750×1750	1250×750×1750	1450×750×1750	1650×750×1750	1850×750×1750
Net Weight (kg)	200	300	400	500	600	700	800	900
Gross Weight (kg)	220	320	420	520	620	720	820	920