

SPECIFICATION	1KW	2KW	3KW	4KW	5KW	6KW	8KVA	10KVA
DC INPUT								
Input Voltage(Vdc)	12V/24V			24V/48V			48V/96V	
Min DC start voltage(Vdc)	10V/20V			20V/40V			48V/96V	
AC Bypass								
Nominal Input Voltage	110V or 230Vac(waveform:Sine or generator)				230Vac(waveform:Sine or generator)			
Input AC Range(Vac)	90Vac±4%-135Vac±4% or 184Vac±4%-253Vac ±4% or 90-240V				184Vac±4%-253Vac±4%			
Frequency Range(HZ)	57Hz or 60Hz(47Hz -53Hz for 50Hz)-----{57Hz -63Hz for 60Hz}							
Input Frequency(Hz)	50Hz/ 60Hz (Auto detection)							
Bypass Output Voltage(Vac)	same as input voltage							
Bypass Output Frequency(Hz)	same as input frequency							
Pass through without Battery	Yes							
Max Bypass Overload Current	10A	30A		40A		50A		
AC Efficiency	> 95%							
Transfer Time(ms)	20ms (typical)							
CHARGER								
Charge mode Input Voltage Range	95~127Vac or 196~243Vac				196~243Vac			
Automatic Charge mode	Three stage charge mode:Boost CC (constant current stage) → Boost CV (constant voltage stage) → Float (constant voltage stage)							
Nominal Charge Voltage	According to the battery type setup							
Charge Current(A)	17.5A/35A/70A						25A	
Charge boost voltage(v)	According to the battery type setup(12V BAT:14-15.5v 24V BAT: 28-31V 48V BAT:56-62V 96V BAT:112-124V)							
Charge Floating Voltage(V)	According to the battery type setup (12V BAT: 13.3-13.7, 24v BAT: 26.6-27.6, 48V BAT:53.2-55.2V 96V BAT:106.4-110.4V)							
Over Charge Protection	Bat. V ≥15.7Vdc, beeps 0.5s every 1s & fault after 60s (15.7 for 12v, 31.4V for 24V, 62.8V for 48V, 125.6V for 96V)							
Charger Short Circuit Protection	Circuit breaker							
(INVERTER)								
Capacity(VA)	1000	2000	3000	4000	5000	6000	8000	10000
Output Power(W)	1000	2000	3000	4000	5000	6000	6400	8000
Power Factor(PF)	1						0.8	
Output Voltage	120VAC or 230VAC (Sine wave)				230VAC (Sine wave)			
Output Frequency	50/60 ± 0.3Hz(auto tracking main first power connection)							
Wave	pure sine wave							
Inversion Efficiency	>88%							
Over load capacity	(110%<load<125%) ±10%: Fault (shutdown output) after 15 minutes; (125%<load<150%) ±10%: Fault (shutdown output) after 60s; Load>150% ±10%: Fault (shutdown output) after 20s							
Low Battery Alarm	10.5Vdc ± 0.3Vdc for 12V battery, 21.0Vdc ± 0.6Vdc for 24V battery, 42.0Vdc ± 1.2Vdc for 48V battery, 84.0Vdc ± 2.4Vdc for 96V battery							
Power saver	Load ≤25W (Enabled on "P/S auto" setting of Remote control)						no Function	
AMBIENT								
Noise(dB)	60dB max.							
Temperature	0°C to 40°C							

Humidity	5% to 95%							
Sea Level(m)	≤1500							
DIMENSION								
Product size LxWxH(mm)	L438mm*W184mm*H181mm			L608mm*W184mm*H181mm			L610mm*W230mm*H560mm	
Packing size	L590mm*W312mm*H295mm			L808mm*W360mm*H352mm			L710mm*W330mm*H660mm	
Weight(Kg)	16.5/17.5	19/20	24/25	34/37	38.5/41.5	44.5/47.5	65.0/70.0	70.0/75.0