

TECHNICAL SPECIFICATIONS				
MODEL NAME	4KVA/3500W	5KVA/4000W	10KVA/8000W	12.5KVA/11000W
AC INPUT				
AC Voltage	220/230/240VAC			
Voltage Range	170-280VAC (For Personal Computers), 90-280VAC (For Home Appliances)			
Frequency Range	50/60Hz (Auto Sensing)			
AC OUTPUT				
Surge Power	7000VA	8000VA	16000VA	22000VA
Ac Voltage Regulation (Battery Mode)	220/230/240VAC ± 5%			
Rated Frequency	50Hz / 60Hz			
Efficiency (Peak)	93%			
Transfer Time	10ms (For Personal Computer), 20ms (For Home Appliances)			
BATTERY				
Battery Voltage	24 VDC		48 VDC	
Floating Charge Voltage	27 VDC		54 VDC	
Overcharge Protection	33 VDC		63 VDC	
Battery Type	Lithium / Lead acid			
SOLAR CHARGER & AC CHARGER				
Maximum PV Array Open Voltage (V)	500 VDC			
Maximum PV Array Power	4000W	5000W	11000W(5500Wx2)	13000W(6500Wx2)
MPPT Voltage Range (V)	60-450 VDC			
Maximum Input Current	15A	20A	27Ax2(MAX 40A)	
MPPT tracker / strings	1		2	
Maximum Solar Charge Current	100A	120A	120A	150A
Maximum AC Charge Current	80A	100A	120A	150A
Maximum Charge Current	100A	120A	120A	150A
PROTECTION & FEATURE				
AC Overcurrent	Yes			
AC Overvoltage	Yes			
AC Temperature Protection	Yes			
Smart Load Management	Yes			
On Grid	Yes			
Parallel Function	Yes (Optional)			
CT Anti-backflow Function	No		Yes	
GENERAL PARAMETERS				
Operation temperature	-10 ^o C - 50 ^o C			
Relative Humidity	5% - 95% (Non-condensing)			
Attitude	(2000m Derating)			
Dimesnions DxWxH (mm)	358x295x105	466x313x136.5	553.6x432.5x147.4	
Net Weight (Kg)	6.2	8.5	18	18.4
DISPLAY AND COMMUNICATION				
Display	Touch Buttons			
Interface	Standard; RS232, USB, CAN&RS485; Optional: WiFi, Bluetooth			
Safety Standard	EN/IEC62109-1, EN/IEC62109-2			

ACDB/DCDB with adequate SPD is mandatory