



SPECIFICATION

MODEL	NEON PV5500
PHASE	1-Phase In /1-Phase Out
Maximum PV Input Power	5500W
Maximum AC Output Power	4200VA/4200W
AC INPUT	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency	50/60 Hz (Auto sensing)
AC PUTPUT	
Nominal Voltage	220/230VAC±5%
Surge Power	8400VA
Frequency	50/60 Hz
Waveform	Pure Sine wave
Dual Outputs	Yes
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency(PV to INV)	96%
Overload Protection	5s@>=140% load; 10s@110%~140% load
Admissible Power Factor	0.6~1 (inductive or capacitive)
BATTERY	
Battery Voltage	24VDC
Floating Charge Voltage	27VDC
OverCharge Protection	33VDC
Charging Method	CC/CV
SOLAR CHARGER & AC CHARGER	
Solar Charger TYPE	MPPT
Max.PV Array Power	5500W
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max. Solar Input Current	1 / 27A
Max. Solar Charge Current	100A
Max. AC Charge Current	80A
Max. Charge Current	100A
PHYSICAL	
Dimensions, D x W x H(mm)	312.4x350x114.5
Package Dimensions, D x W x H(mm)	475x390x180
Net Weight (Kgs)	8.5
Communication Interface	RS485(RJ45)/RS232(DB9)
LCD	Colorful Screen+RGB Light
ENVIRONMENT	
Operating Temperature Range	-10°C to 50°C
Storage temperature	-15°C~ 50°C
Humidity	5% to 95% Relative Humidity (Non-condensing)