



SPECIFICATION

MODEL		NEON PV4200
Rated Power		3.5KVA/3.5KW
AC INPUT		
Voltage		230 VAC
Selectable Voltage Range		170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency Range		50/60 Hz (Auto sensing)
AC OUTPUT		
Nominal Voltage		220/230VAC+5%
Surge Power		7000VA
Frequency		50/60 Hz
Waveform		Pure Sine wave
Transfer Time		10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency		96%
Overload Protection		5s@ > =140% load; 10s@100%-140% load
Peak Efficiency (Battery to INV)		93%
BATTERY		
Battery Voltage		24 VDC
Floating Charge Voltage		27 VDC
Overcharge Protection		33 VDC
Charging Method		CC/CV
Lithium Battery Activation		YES
Lithium Battery communication		YES(RS485)
SOLAR CHARGER & AC CHARGER		
Solar Charger TYPE		MPPT
Max.PV Array Power		4200W
Max. PV Array Open Circuit Voltage		500 VDC
PV Array MPPT Voltage Range		60VDC-500VDC
Max. Solar Input Current		18A
Max. Solar Charge Current		100A
Max. AC Charge Current		80A
Max. Charge Current		100A
PHYSICAL		
Dimension, D x W x H (mm)		358*295*100
Package Dimensions, D x W x H(mm)		465*380*175
Net Weight (Kgs)		7
Communication Interface		RS232+RS485
ENVIRONMENT		
Operating Temperature		-10°C to 50°C
Storage Temperature		-15°C- 50°C
Humidity		5% to 95% Relative Humidity (Non-condensing)