

Features:

- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

Prowess SN Inverter Selection Guide

MODEL	SN 1K	SN 2K	SN 3K	SN 4K	SN 5K
Rated Power	1000VA/800W	1000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
INPUT					
Voltage	230VAC				
Selectable Voltage Range	170-280VAC (For Personal Computers) 90-280VAC (For Home Appliances)				
Frequency Range	50Hz / 60Hz (Auto Sensing)				
OUTPUT					
AC Voltage Regulation (Batt.Mode)	230VAC ± 5%				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Efficiency(Peak)	90%	93%			
Transfer Time	10ms (For Personal Computers) 20ms (For Home Appliances)				
Waveform	Pure Sine Wave				
BATTERY & AC CHARGER					
Battery Voltage	12VDC	24VDC		48VDC	
Floating Charge Voltage	13.5VDC	27VDC		54VDC	
Overcharge Protection	15VDC	30VDC		60VDC	
Maximum Charge Current	10A or 20A	10A or 20A		10A or 20A	
SOLAR CHARGER (OPTION)					
Charging Current	50A				
Maximum PV Array Open Circuit Voltage	30VDC	60VDC		90VDC	
Standby Power Consumption	1W	2W		2W	
PHYSICAL					
Dimension: D x W x H (mm)	95x240x316	100x272x355		120x295x468	
Net Weight (kgs)	5.0	6.4	6.9	9.8	9.8
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature	0 °C - 55°C				
Storage Temperature	-15°C - 60°C				

*Typical transfer time for parallel operation is 30ms.

Product specifications are subject to change without further notice.