



Solaready



Pure sine wave inverter	Smart battery charger for up to 8 sets of 4 batteries
Built-in MPPT controller for up to 8 strings of 3 solar panels	Compatible to both mains and generator
Selectable charging current	Overload and short circuit protection
Configurable AC/Solar input priority	Minimum of 4 batteries for 5 kVA inverter systems
Parallel operation with up to six 5kVA units giving up to 30 kVA	Three phase configuration possible with 5 KVA units
Three phase configuration can be done up to 30 kVA (10 kVA per phase)	
Optional remote monitoring of batteries, Grid and Solar panels.	Only one set of batteries required for all configurations

Model	Solaready 1K	Solaready 3K	Solaready 5K
RATED POWER	1000VA / 800W	3000VA / 2400W	5000VA / 4000W
INPUT			
Voltage	230 VAC		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%		
Surge Power	2000VA	6000VA	10000VA
Efficiency (Peak)	90%	93%	93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
BATTERY			
Battery Voltage	24 VDC	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	27 VDC	54 VDC
Overcharge Protection	30 VDC	30 VDC	60 VDC
SOLAR CHARGER & AC CHARGER			
Maximum PV Array Open Circuit Voltage	75VDC	75VDC	145VDC
Standby Power Consumption	1 W	2 W	2 W
Maximum Solar Charge Current	10/20A	25A	60A
Maximum AC Charge Current	10 A or 20 A	20 A or 30 A	60 A
Maximum Charge Current	10/20A	30 A	110 A
PHYSICAL			
Dimension, D x W x H (mm)	95 x 240 x 316	100 x 272 x 355	120 x 295 x 468
Net Weight (kgs)	5	6.9	9.8
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0°C - 55°C		
Storage Temperature	-15°C - 60°C		

PRICING STRUCTURE	1kVA Solaready Smart Inverter + 2 x 105A/H Batteries* with Battery Box Installed: R15,500-00 Supply Only: R12,500-00	Option 1: 3kVA Solaready Smart Inverter + 4 x 105A/H Batteries with Battery Box Installed: R23,500-00 Option 2: 3kVA Solaready Smart Inverter + 8 x 105A/H Batteries* with Battery Box Installed: R31,500-00 Option 3: 3kVA Solaready Smart Inverter + 8 x 105A/H Batteries* with Battery Box and includes 2 x 250W Solar Panels Installed: R37,500-00	Option 1: 5kVA Solaready Smart Inverter + 8 x 105A/H Batteries* with Battery Box Installed: R38,500-00 Option 2: 5kVA Solaready Smart Inverter + 8 x 105A/H Batteries* with Battery Box and includes 6 x 250W Solar Panels Installed: R59,500-00

* If required 2 x 105A/H batteries can be replaced with 1 x 210A/H Battery