

Integrated Solar Kit

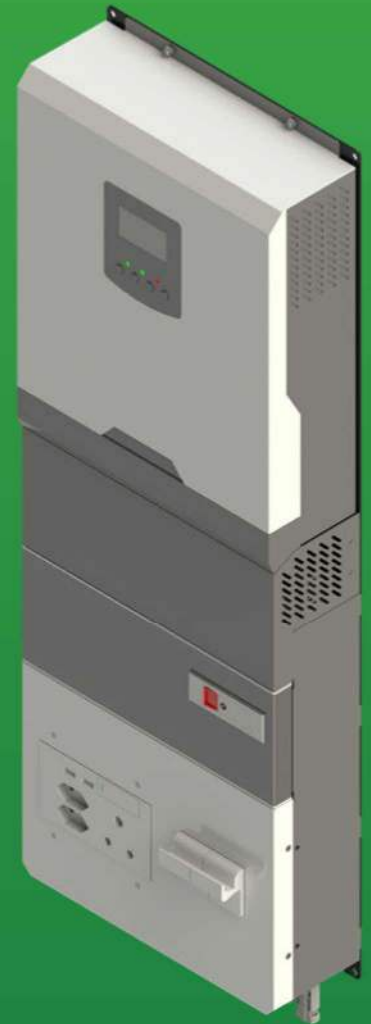
Smart Energy Management

Safe | Reliable | User Friendly

The Magneto Integrated Solar kit is a compact, all-in-one, ready to fit solution. It speeds up installation time, and complies with **INSTALLATION STANDARDS** and **SANS** wiring code, making the system safe to use and installer friendly.

Due to the growing demand for alternative energy supply, the Integrated Solar Kit offers:

- Off-grid power for homes without access to the National Grid.
- On-grid power for homes to supplement the existing power supply, therefore reducing the utility bill.
- Power blackout solution for essential loads.



2 YEAR GUARANTEE

Model: 3 kW solution
5 kW solution



All-in-one Compact System from Off-Grid and UPS function



Seamless switchover between energy sources



Quick installation solar and storage ready



SANS Compliant



Locally assembled

Off-Grid Inverters

MODEL	VP-3kW-24V-SP	VP-5kW-48V-SP
Rated Power	3000VA/3000W	5000VA/5000W
Parallel Capacity	N/A	
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (for personal computers) 90-280 VAC (for home appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	6000VA	10000VA
Efficiency (Peak)	92% ~ 93%	
Transfer Time	10 ms (For personal Computer) - 20 ms (For Home Applications)	
Waveform	Pur Sine Wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	PWM	MPPT
Maximum PV Array Open Circuit Voltage	80 VDC	145 VDC
Maximum PV Array Power	1200W	3000W
MPP Range @ Operating Voltage	N/A	60 ~ 115 VDC
Maximum Solar Charge Current	50A	60A
Maximum AC Charge Current	25A	60A
Maximum Charge Current	70A	120A
PHYSICAL		
Dimension, D X W X H (mm)	100 x 285 x 334	100 x 300 x 440
Net Weight (kgs)	6,3	9,7
Communication Interface	USB/RS232	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
INVERTER HOME SOLUTION MODULE		
Battery Protection	In line DC fuse 60A	In line DC Fuse 120 Amp
Battery Connection	25 mm Cable and terminal lugs	35 mm Cable and terminal lugs
Solar Connection	MC4	MC4
Solar Protection	DC Circuit Breaker and Surge Protection	DC Circuit Breaker and Surge Protection
AC Protection	AC Circuit Breaker and Changeover Switch	AC Circuit Breaker and Changeover Switch
AC Output	2 and 3-Point Socket Outlet + USB charge point	2 and 3-Point Socket Outlet + USB charge point
Compliance	SANS101142-1-2	SANS101142-1-2

INTEGRATED SOLAR KIT - FEATURES

