



Integrated Solar Kit

Smart Energy Management

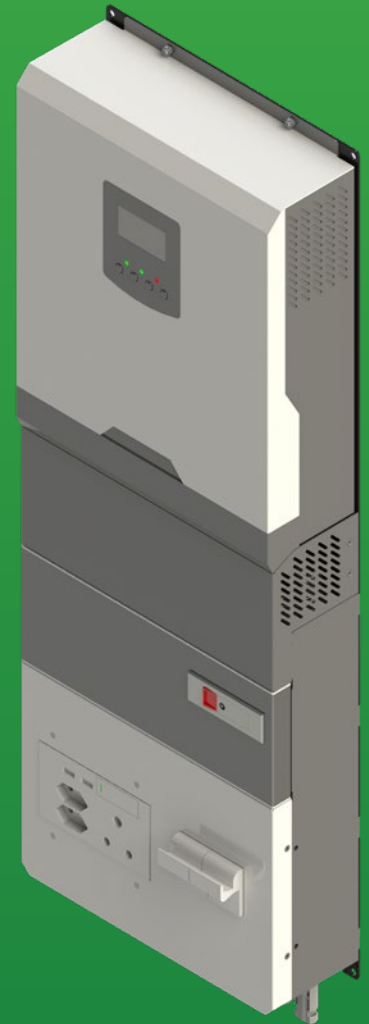
Safe | Reliable | User Friendly

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.

Power For Peace Of Mind



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

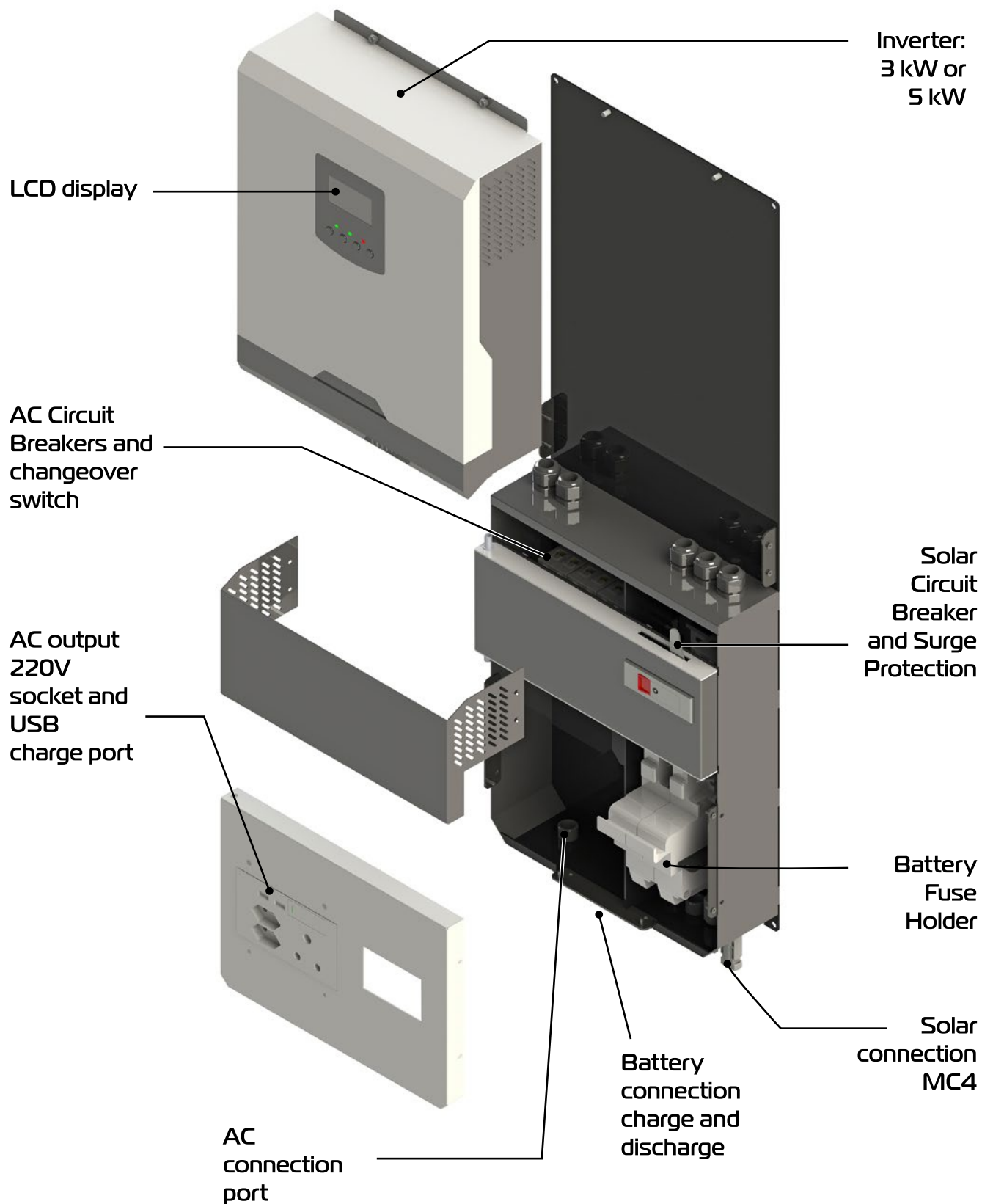


Locally assembled

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





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