



POWERHOUSE

Reliable Power Solutions

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Solar Panels and Green energy systems

Powerhouse Distributions has launched a reliable, high performance and high quality range of

- Solar panels
- Solar charge controllers (MPPT)
- Pure and modified sine wave inverters
- solar water pumps
- Wind turbines
- Deep cycle (Solar) batteries

Solar in Southern Africa

In the past few years, solar systems in the southern african region and infact most of Africa has grown at a tremendous rate, We at Powerhouse distribution strive to always come up with new ideas and be at the forefront of the renewable enegy sector, that is why we carry such a comprehensive range of solar products and equipment.

Solar Panel

We have a high grade range of solar panels in the poly and mono-crystalline range designed for high efficiancy solar systems. Our panels come in 12 and 24Volt from 50watts up-to and including 200Watts.

Inverters

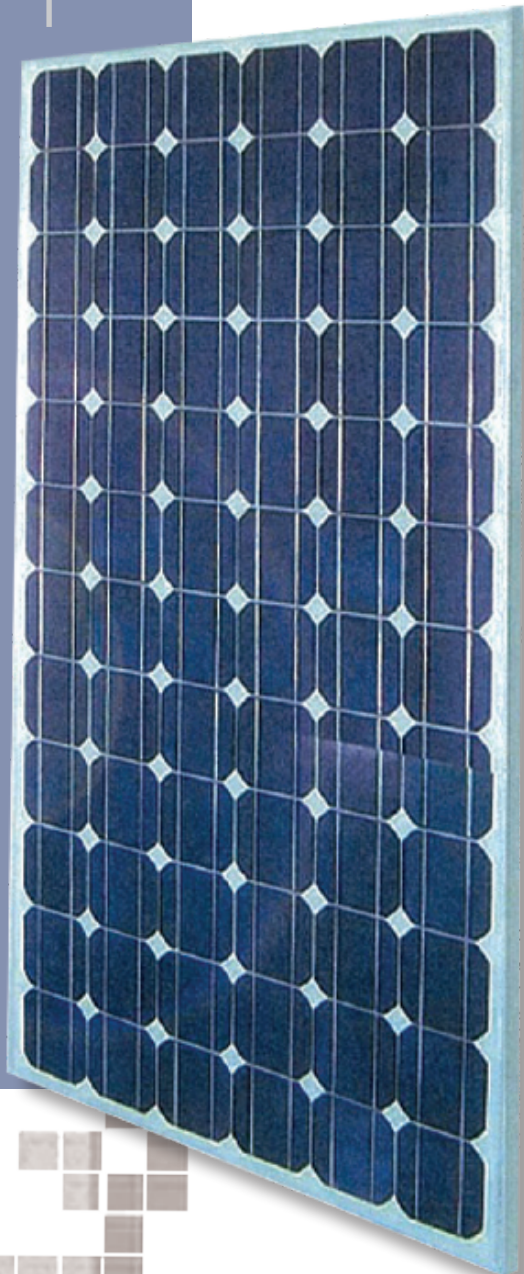


Powerhouse only distributes the highest quality equipment and our solar inverters are no exception, we offer units from 150Watts up-to and including 3000Watts in the pure and modified sine wave range

Solar charge controllers



Powerhouse has a comprehensive range of solar charge controllers including the state of the art maximum power point tracking units from AEC, it allows your solar panels to operate at their optimum power output voltage, providing higher efficiency up to 97% with lower power loss.





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Basic Charge Controllers

- 12Vdc or 24Vdc available
- Two-stage charging method
- Lightweight design



Model	SCC-Basic-50	SCC-Basic-100
Input		
Maximum PV Array Open Circuit Voltage	25V	50V
Maximum PV Array Power	50W	100W
Maximum Current	5A	
Output		
Nominal Battery Voltage	12V	24V
Maximum Charging Current	5A	
Ripple Voltage	< ± 1V	
Maximum Efficiency	99.90%	
Physical		
Dimensions, L x W x H (mm)	27.5 x 38 x 63	
Net Weight	50g	
Type of Mechanical Protection	IP43	
Environment		
Humidity	0-100% RH (Non-condensing)	
Operating Temperature	-20°C-55°C	
Altitude	0-3000m	
Compliance		
Quality	ISO9001/ISO14001	
EMC	EN61000-6-1, EN651000-6-3	

Model	SCC-MPPT-300	SCC-MPPT-600
Input		
MPPT Range @ Operating Voltage	15V-22V @ 12V	30V-44V @ 24V
Maximum PV Array Power	300W	600W
Maximum Current	18A	
Output		
Nominal Battery Voltage	12V	24V
Maximum Charging Current	30A	
Ripple Voltage	< ± 1V	
Maximum Efficiency	97%	
Physical		
Dimensions, L x W x H (mm)	135 x 170 x 57.5	220 x 170 x 57.5
Net Weight	900g	1.6kg
Interface	RS232	
Type of Mechanical Protection	IP43	
Environment		
Humidity	0-100% RH (Non-condensing)	
Operating Temperature	-20°C-55°C	
Altitude	0-3000m	
Compliance		
Quality	ISO9001/ISO14001	
EMC	EN61000-6-1, EN651000-6-3	

MPPT Charge Controllers

- Intelligent continuous maximum power point tracking technology
- Microprocessor controlled
- Automatic battery voltage detection
- Three-stage charging optimises battery performance
- Auto load-detection
- Multifunction LCD displays detailed information
- Reverse polarity protection of solar panel and battery
- Short circuit and overload protection
- IP 43 protection for outdoor and harsh environments
- Suitable for 4 battery types: Sealed lead-acid, vented, gel and NiCd

