Mecer MKSII 5kW / 300AH GEL Sealed Battery

Storage Systems - Offgrid Packages

This part is a special offer made up of the following items:

Part

1 x Mecer 5kW-48V Off-Grid inverter II
10 x JA Solar 330W Poly 5BB PV Panels
8 x 180AH Omnipower 12V Sealed Batteries
3 x MC4 Connector Twin Pack
1 x Fuse-switch-disconnector KETO size 00 body (battery isolator)
1 x Single String DC Switch Disconnector 25A 450V - 11A 920V
2 x NH Fuse-link 160A for KETO-00
4mm solar Cable 25m - Red
4mm solar Cable 25m - Black
1 x Roof Panels mounting Kit

Domestic scale off-grid storage system.

The 5**kW** rated power of the Mecer MKSII, when matched with 8 x Omnipower 180AH batteries it gives 48V.

Omnipower batteries has 3000 cycles with a discharge of 50% while maintining a decent battery life.

The enhanced maximum string voltage possible with the Mark II version provides various benefits to the installation:

Fewer DC strings means a lower cost DC combiner box can be used. The previous version of the MKS would require a 6 input DC box. This represents 13% of equipment cost savings.

Reducing the DC string quantity from 5 or 6 to 2 means far fewer DC connectors are required. This reduces the install time and the potential for wiring issues.

Having fewer strings means less DC cable is required and fewer bulky conduit runs.

There's also a robust Keto-0 fused battery disconnector switch for safe and complete isolation, if necessary.

The Panels give up to 3,3KW per Hour in peak time and 376,5V that will charge your batteries at the same time. The batteries has 7,2KW per hour of backup power (This means that if you for instance use 750W constantly through the night you wil have round about 9,6 hours of power , before the inverter will bypass to Eskom to take over the load and charge your batteries, as soon as the batteries reaches its prefferd voltage the system will kick back to the solar system and will again power you appliances this will repeat until the sun comes up and takes over) The Inverters can handle 5Kw of peak power.