



MAXXIOM
POWERSOLUTIONS



MAXXIOM POWER BOX – MASTIFF MKII

Maxxiom Power Box – Mastiff Mk II - 10kW with 25kWh Battery

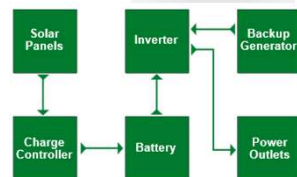
Solar Generation	
Number of Solar Panels	30 Recommended (4 MPPT)
Panel Size (Watts)	440 W to 510 W (450 VOC per String)
Total Solar (Watts)	13.2 kW – Maximum
Optimal Orientation	Quad MPPT East /North / West

Output Solar + Battery	
Output Nominal	10000 VA (5700 VA @ 40°C) 230 VAC
Peak Power	15000 w (10 Seconds)
Primary Power AC 32A	1x 230 VAC
Auxiliary Power AC 32A	1x 230 VAC
32 Amp Inlet	1x 230 VAC
Usage Average per Hour	Sun: 3.5 kVa Night:1.0 kVa

Battery Capacity	
Battery Capacity	25kWh (5x 5kWh Modules) Expandable
Usable Capacity	22.5 kWh
Battery Runtime at 1.5kVa	15 Hours
Battery Runtime at 0.5kVa	45 Hours

Dimensions mm	
Power Cabinet	W 640 x H 1464 x D 545 mm
Battery Cabinet	W 640 x H 1464 x D 545 mm

Maxxiom Power Box – Mastiff MK.II is built for standard off-grid homes, with enough solar generation capability and battery storage to meet the essential need of a typical off-grid living scenario. Mastiff has the smarts to control non-critical loads when low battery storage for extended battery run times. Mastiff is almost completely self sustainable from solar generation, with generator auto-start and charge built in for bad weather or higher than normal usage requirements you will always have power when needed. Mastiff includes remote monitoring with its supplied 12 month cellular 4G data sim, after you can renew or use your own supplied wifi device or utilise the Maxxiom Peer to Peer Wireless Display. Battery can be expanded by an additional 25kWh with the Battery Expansion Module. The Mastiff is a flexible solution for large off-grid living power requirements.



Recommended Applications

- Off-Grid Tiny Homes, Sheds or Off-Grid 3 Bedroom Home
- Remote Power Station (Mining / Agriculture/ Construction)
- Remote Demountable Office & Accommodation
- Remote Communities
- IP55 Rated / Active Cooling
- 5 Years Power Equipment / 10 Years Battery Warranty



Inclusions & Expansion

- 4G Cellular Monitoring (12 Months) - Included
- Generator Inlet 15 Amp with Auto-Start Interface - Included
- Additional 5kWh Batteries – Requires Mastiff Battery Unit
- Additional MPPT Charge Controller – External
- GPS Locator - Included
- Battery Expansion Cabinet - 5-25kWh Battery (5 Modules 5kWh)
- Level Sensors for Water & Fuel – Included (additional sensors requires)