

ElektroBank 14

The 14kWh Hybrid Inverter, Load Control and Lithium Battery Device



Intelligent System

Max self-consumption
Time-of-use
Maximum demand tariffs



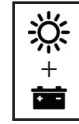
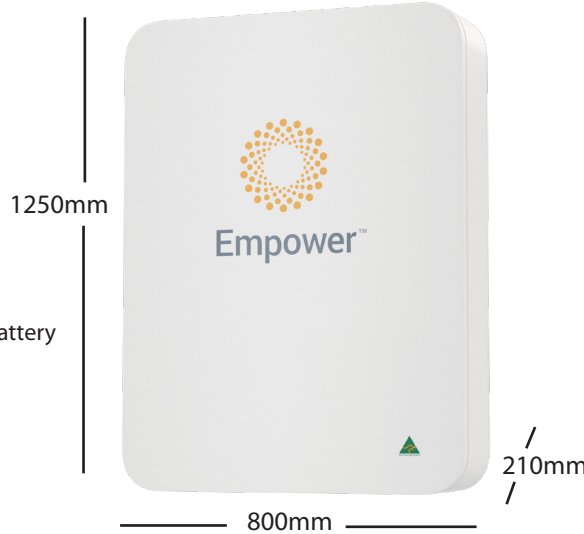
Long Lifetime

14kWh Lithium Phosphate battery
10-year, 45MWh warranty
Designed for Australian heat
Supports self-consumption



VPP Ready

Delivers network, retailer and
market operator services



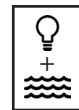
Space & Cost Saving

All-in-one IP 66 design
reduces wall space needs,
installation time and cost



Advanced Tools

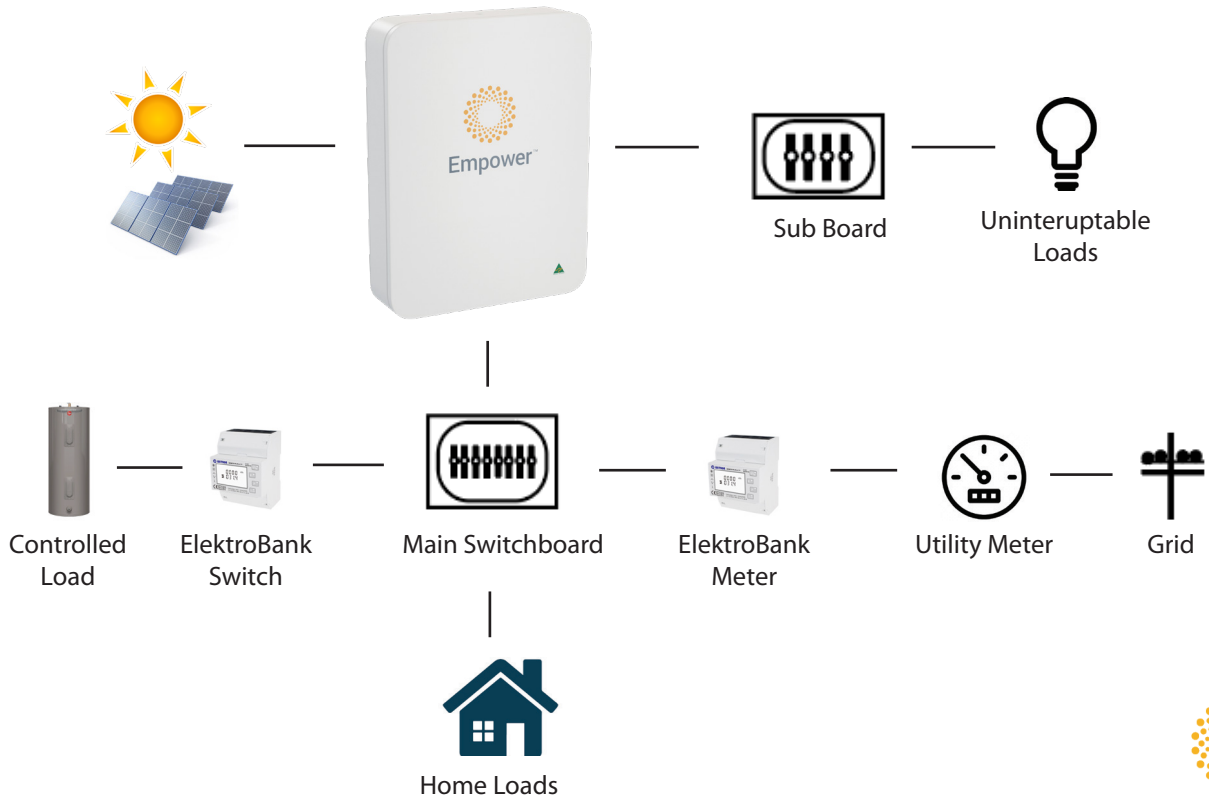
Monitor your use
Programmable
* tablet and phone not included



Backup and Control

5kW built-in backup and
5kW load control circuits

Typical Configuration



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PV Input	
Vmax PV	600V
Max Continuous Current	15A
PV MPPT Starting Voltage	100V (then works down to 50V for hysteresis)
PV Maximum Power	2 x 3.5kW MPPT
PV MPPT Operating Range	50V – 430V
Isc PV	15A

Mechanical & Environmental	
Maximum Dimensions (H / W / D)	1250mm / 800mm / 210mm
Ambient Operating Temperature Range	-20 to 50C
Ingress Protection (IP) Rating	IP 66
Weight	165kg
Environmental Category	Outdoor
Wet Location Classification	Wet
Maximum Altitude	2000m
Storage Conditions	-10C to 30C, max 95% RH non-condensing. SOC = 30%

AC Input / Output Ratings	
Grid Frequency	50Hz
Voltage (nominal)	240V single phase
Maximum Continuous Current	40A
Inrush Current	90A max
Real Power Continuous	9.6kW
Apparent Power Continuous	9.6kVA
Power Factor	+/-1.0 adjustable
Maximum Output Overcurrent Protection	40A
Maximum Output Fault Current	90A

System	
Residual Current Monitoring	Integral for grid port (backup port requires Type B RCD)
Inverter Topology	Non-isolated
Supporting Demand Response Modes	DRM0
Certification Marks	AS4777.2:2015, IEC62109-1, IEC62109-2, AS62040.1, AS61000.6.3:2012
Communications	WiFi, LAN (RJ-45), 3G/4G

Battery	
Voltage (nominal)	154V
Maximum Continuous Current Input / Output	38A
Maximum Continuous Power	5kW
Battery Type	Lithium Ion Phosphate (LiFePO4)
Battery Total Energy	15.4kWh
Battery Usable Capacity	13.9kWh
Battery Round Trip Efficiency from Grid	91%

AC Output Ratings (Backup Port)	
Frequency	50Hz
Voltage (nominal)	240V single phase
Maximum Continuous Current	19A
Inrush Current	90A max
Active Power	4.6kW
Apparent Power	4.6kVA
Power Factor	+/-1.0
Number of Phases	1
Maximum Output Overcurrent Protection	25A



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ElektroBank 14 Technical Data Sheet