

Standalone Power - **Essential System™**



Ideal for low-consumption users, the **Essential System™** offers a perfect green solution for your holiday retreat without the ongoing commitment and cost of grid connection.



Reliability
High quality components; dependable grid-quality electricity, day & night



Simple Operation
Pre-programmed, user-friendly, automated "set & forget" operation



Low Maintenance
Maintenance free sealed gel or lithium-ion batteries



Proven Performer
Tried and tested technology in Australia



Safe
Exceeds applicable safety standards; concealed wiring; sealed batteries



Monitoring
Easily monitor battery health and energy consumption

The **Essential System™** is available in the following designs:

EnergyBox™ – plug-and-play, fully self-contained weatherproof enclosure – takes away the hassle of building compatible housing for your system

AdaptUnit™ – installs within suitable existing infrastructure (e.g. a shed or utility room) – for circumstances where **EnergyBox™** is an unnecessary extra

Installation – The essential unit can be fully installed by an OEA accredited installer; or be supplied as a kit for DIY installation* an unnecessary extra

**AC connections performed by a licenced electrician.*



Essential System™ Specifications



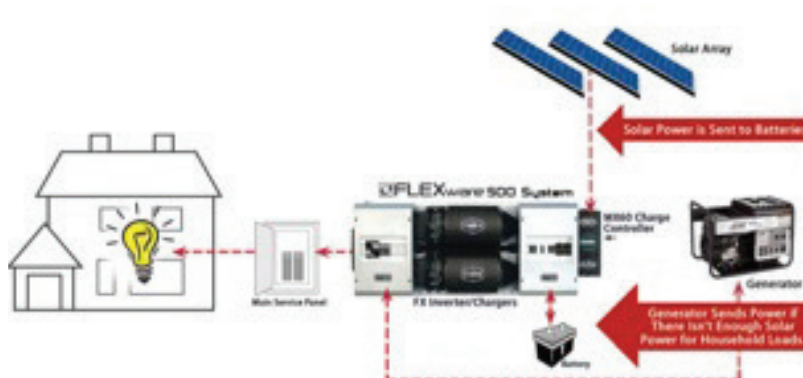
Power Output	3300 Watts (up to 30mins) / 3000 Watts (cont.)
Surge Capacity	4.8 kW (5sec) / 5.75 kW (Surge)
Operational Range (°C)	- 40°C / + 60°C
Peak Efficiency	92%
Unit Connection	Fixed; Hard-wired to application
Warranty	Leading component warranties; 2 year installation warranty
Monitoring	Home Energy Monitor (included)
Battery Guide	7 kWh (C100 - 330Ah @ 24V) Sealed Gel 15 kWh (C100 - 330Ah @ 48V) Sealed Gel

Unit Selection	AdaptUnit™ EnergyBox™	Suitable enclosure required to house system Fully self contained enclosure
Unit Weight	AdaptUnit™ EnergyBox™	35 kg (+ Batteries) 150 kg (+ Batteries)
Unit Dimensions (mm)	AdaptUnit™ EnergyBox™	600/2400/280 (W/H/D) (adjustable height – min. 1500) 916/1660/511 (W/H/D)

Power Source Selection	Solar Photovoltaic Panels; Wind Turbines; Fuel Generators
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Power Input Range (AC)	0.5 kW (2A) – 5.75 kW (25A)
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Solar guide: (Provided for reference only; based on optimal pitch/orientation; Adelaide weather data used)	0.7 kW	2.3 kWh/day (Winter) – 4.5 kWh/day (Summer)
	1.5kW	4.7 kWh/day (Winter) – 9.1 kWh/day (Summer)
	2.25 kW	7 kWh/day (Winter) – 13.7 kWh/day (Summer)



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We will not compromise on quality- from the major components right through to the smallest circuit breaker.



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