

## Standalone Power - Comprehensive System™

The **Comprehensive System™** is your complete alternative to grid connection and is adaptable to the largest energy requirements.

**Large homes, businesses, multi-building stations, small communities**

Our highly advanced ac-coupled technology offers greater flexibility for 1-3 phase applications and mini-grid scenarios where expansion may be required. Our systems can consist of multiple decentralised units, centralised units, or a combination – simply connect a new dwelling to the existing mini-grid network. The possibilities are endless!



**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



**Efficient**  
Highly efficient ac-coupled system configuration



**Safe**  
Exceeds applicable safety standards; concealed wiring; sealed batteries



**Scalable**  
Modular design & ac-coupling



**Monitoring**  
Options to monitor your home & your system locally or remotely

The **Comprehensive 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



# Comprehensive System™ Specifications



Power (instantaneous)	10 kW – 100 kW (Inverter alone) 1 - 3 Phases
Surge Capacity	Large overload ratings
Operational Range (°C)	- 25°C / + 60°C
Charging Current (48V)	115A (140A max per Inverter)
System Connection	Hard Wired
Warranty	Leading component warranties; 2 year installation warranty
Monitoring	Complete mini-grid monitoring solution – remote & local monitoring
Battery Guide	60 kWh – 300 kWh (centralised or decentralised)

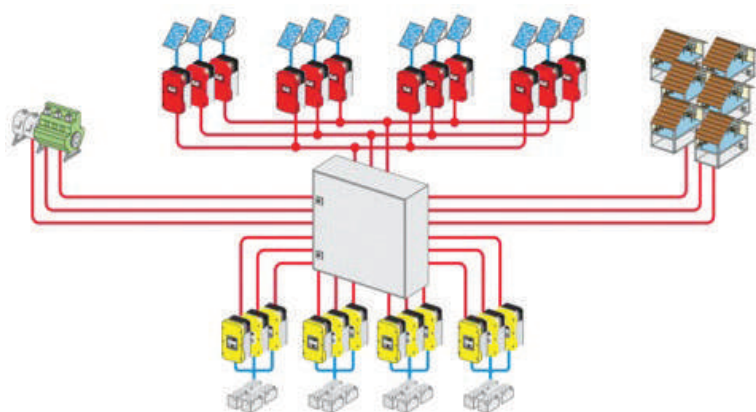
Unit Selection	<b>AdaptUnit™</b> <b>EnergyBox™</b>	Suitable housing required for system components Self contained – no existing infrastructure needed
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Power Source Selection	Solar Photovoltaic Panels; Wind Turbines; Hydro & Fuel Generators
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Power Input Range (AC)	5 kW (21A) – 270 kW (1125A)
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Solar guide: (Provided for reference only; based on optimal pitch/orientation; Adelaide weather data used)	8 kW	22 kWh/day (Winter) – 42 kWh/day (Summer)
	15 kW	40 kWh/day (Winter) – 77 kWh/day (Summer)
	30 kW	81 kWh/day (Winter) – 155 kWh/day (Summer)

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1300 334 839  
 info@offgridenergy.com.au  
 www.offgridenergy.com.au

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

