




POWERBOXTM

Everything you need to supply a remote power source in a single pallet-sized box using a hybrid solution



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POWERBOX™ Features



Flexible and modular

Choose AC or DC, turbine type, solar add-ons, battery bank size, inverter size, generator

Ideal for remote locations

Pre-configured and self-contained with everything needed in one box

Easy to deploy

Unfurl the solar panels, raise the wind turbine and you're ready to go in less than 1 hour

Monitor remotely

Measure state of charge and remotely configure via intuitive web portal

Easy to transport

Small and compact, the PowerBox™ is pallet sized for shipping on conventional freight

Rugged

Designed to be long-lasting and durable in some of the world's harshest conditions

The hybrid wind-solar combination means the PowerBox™ is a year-round power source despite the season. Fitted as standard with the LE-300/LE-600 turbine, wind power accounts for between 0.5kWh and 1.5kWh of power a day depending on location and local wind speed. In some instances, where the power supply is absolutely crucial, an Efoy methanol fuel cell. This can give an additional 125W output and has 11.1kWh methanol storage.

Typical Applications

- Telemetry systems
- Environmental monitoring
- Remote weather stations
- LIDAR & SODAR installations
- Rural WiFi and broadband
- Radio repeater stations
- CCTV and security systems
- LED lighting (disaster relief)
- UPS backup power supplies



We are happy to discuss requirements for a bespoke solution

	Hub-500	Hub-1600	Hub-2000	Hub-3000	Hub-DC
	AC & DC	AC & DC	AC & DC	AC & DC	DC only
Solar Pmax	2 x 160W				
Solar Type	monocrystalline				
Turbine Pmax	300W or 600W				
DC voltage	12v & 24V (48V optional)				
Max AC output	500VA	1600VA	2000 VA	3000 VA	0
AC output	230V+/- 2%				
Max AC input	16A				
Input voltage range	187-265(V)				
Input frequency	45 - 65Hz (PF1)				
Battery charger	10A	25A	50A	70A	16A
Battery size	6 x 120Ah 12V deep-cycle AGM				
Weight	approximately 400Kg				
Size	1200 x 1000 x 900mm with panels folded				
Remote monitoring	Yes				
Generator autostart	Yes				
Ethernet connectivity	Yes				
Wifi connectivity	Yes				
Operating temp	-40 to +50 degrees C				
Operating humidity	5-95% RH non-condensing				
Enclosure material	Galvanised steel				

Please note that all technical specifications and images are correct at the time of publication, but are subject to change without notice

