



# ENERGIA

POWER SOLUTIONS

## Solar PowerVault Trailer - Technical Data Sheet

### Specification

Product Name	PowerVault
Usage	Outdoor Power
Brand	Energia Power Solutions

### Features

Batteries - Total Capacity*	up to 100kWh
Time of Charge*	up to 8 hours
Diesel Generator	Optional (plug in ready)
Protection Level	IP65

\* Various Battery Options Available

### Dimension and Weight

Size (with hitch in closed position) L xW xH	222" x 86" x 86" / 5.64m x 2.19m x 2.19m
Internal Capacity	450 cu ft
Unladen Weight (no batteries)**	6000 lbs / 2,667kg
Maximum Load Capacity	5200 lbs / 2,311kg
Gross Maximum Weight	13200 lbs / 5,867 kg

\*\* Batteries Options include: LFP 3.5kW-100kW

### Trailer

Axle	Twin Torflex
Tyres	4 nos Trailer Radial ST235/80R16
Drawbar	Foldable
Brake System	Electric Brake with pintle ring hitch or 50mm ball hitch
Suspension	Twin Leaf Springs
Tail Lamp	ADR Standard
Outrigger	4 nos 7000lbs jack & high strength square tube
Fire Extinguisher	SAI/EN3/CE Certification

### Solar Array

PV Modules	6 nos Glassless Custom 192 high output cell PV Modules
Power Output	up to 7kW per hour
Array Type	Roof Mounted Folding Array (Manual)
Tilting Mechanism	Hydraulic (Electrical)

### Electrical Parts

Charge Controllers	2 x Outback FlexMark 100's
Inverters	2 x Outback VFXR3048E 48V
Combiner	1 x Outback FlexWare PV12
Display & Controllers	Outback Hub 10.3 Mate 3S with Optics RE
Fuseboard, Breaker, Switch, Cable, connectors etc.	All Electrical parts have UL Certification
Single Phase Outputs	2 x 110V and 2 x 220V Internal Outputs

### Storage & Transportation

Transport	Towable with large pickup truck
Storage / Shipping	20ft Shipping container

### Warranty

Warranty (Standard configuration)	3 years or 3000 hours - whichever comes first
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