



ENERGIA
POWER SOLUTIONS

Energia Solar PowerVault Trailer

Technical Data Sheet

Solar PowerVault Trailer - Technical Data Sheet
Specification

Product Name	PowerVault
Usage	Mobile Power
Brand	Energia Power Solutions

Features

Batteries - Total Capacity*	up to 100kWh
Time of Charge*	up to 8 hours
Solar Powerfold Arrays	Optional (plug in ready)
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 6,000 lbs axles
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 7kWp 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	10ft/20ft/40ft Shipping Container

Warranty

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