



ENERGIA
POWER SOLUTIONS

Solar PowerHub Range

*"The most powerful Modular Mobile
Solar PowerHub in the world"*



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Energia Power Solutions LLC have integrated the Solar PowerFold™ modules into a complete Solar Power Production, Storage and Delivery System in three different sized shipping container options called the Energia Solar PowerHub range.

The energia Solar PowerHub range also comes with the option of including an efficient and robust electronic charge system with the ultra high performance Lithium Ferrous Phosphate batteries, creating a Dynamic Solar PowerHub beyond comparison. This option also comes with state of the art charge electronics and battery storage systems

Whether the Energia Solar PowerHub is powering Military installations, off-grid Construction Sites, whole Villages or Hospitals in Disaster Areas, this modular system gives the customer the freedom to build a bespoke Solar PowerHub based on their individual requirements.

By using the standard shipping container design, it becomes the perfect vehicle to transport and securely store the Solar Powerfold™ modules, charge electronics and battery storage systems.

Energia PowerHub Options

The Energia Solar Power Hub comes in 3 size options:

Energia Solar PowerHub 10ft

- 10ft Shipping Container containing 12 Solar PowerFold™ modules
- 27 kWp PV Power System
- 10ft Solar PowerStation System Price \$POA
(includes 20ft Shipping container)



Energia Solar PowerHub 20ft

- 20ft Shipping Container containing 24 Solar PowerFold™ modules
- 54 kWp PV Power System
- 20ft Solar PowerStation System Price \$POA
(includes 20ft Shipping container)



Energia Solar PowerHub 40ft

- 40ft shipping Container containing 48 Solar PowerFold™ modules
- 108 kWp PV Power System
- 40ft Solar PowerStation System Price \$POA
(includes 40ft Shipping container)





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For more information, please contact
Energia Power Solutions LLC
Email info@energiapowersolutions.com

Solar PowerHub Range

Battery Options

Energia utilises Lithium Ferrous Phosphate (LFP) batteries in the Energia Solar PowerHub.

- LFP is the safest, most environmentally benign Lithium Ion chemistry available—no risk of thermal runaway or fire
- No AC or toxic liquid cooling - negligible parasitic drain - long cycle life
- Non-toxic and non-hazardous recyclable materials
- Built-in accessible 80 Amp DC breaker On/Off switch - increases safety 24V and 48V LFP batteries with proprietary architecture and Battery Management System (BMS)—do not require ventilation, cooling or thermal regulation.
- Max storage capabilities up to 50 Lithium Ferrous Phosphate batteries, each capable of storing 3.5kWh. Total storage capability of over 175kWh.
- Max discharge of 90%, providing 157 kWh of available power
- Remote monitoring system with GPS, power production and consumption tracking
- 1.5 hour from empty to full charging capability with a 10,000+ battery life cycle

The required Power Storage Capacity is dependent on the individual application requirements. Energia will discuss and advise the best power storage solution with individual customers.

