

Solar PowerHub Range

“The most powerful Modular Mobile Solar PowerHub in the world”

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.

Combining the power of the Solar PowerFold™ modules, the efficient and robustness of the electronic charge systems and the ultra-high performance, Lithium Ion Ferrous Phosphate Batteries, Energia Power Solutions have created a Dynamic Solar PowerHub beyond comparison.

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.

The Energia Solar PowerHub range comes with state-of-the-art Charge Electronic and online reporting systems allowing on and offsite control and reporting.

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)



ENERGIA
POWER SOLUTIONS

Solar PowerHub Range Battery Options

Energia utilises Lithium Ferro Phosphate batteries in the Energia Solar PowerHub.

Lithium Ferro Phosphate Battery:

- 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 Ferro Phosphate batteries, each capable of storing 3.5kW.
Total storage capability of over 175kW.
- Max discharge of 90%, providing 157 kW 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.



For more information, please contact Energia Power Solutions LLC

Tel: 888-336-3744 / Email info@energipowersolutions.com



ENERGIA
POWER SOLUTIONS