

Homeport Series



The Energport Homeport Series provides a large capacity energy storage module for home backup, TOU energy management, and solar integration. Leveraging lithium iron phosphate batteries utilized in hundreds of thousands of electric vehicles, Energport's solution provides unparalleled degrees of safety and reliability.

The Ep Home is perfect for customers interested in backup power and self consumption for their entire home. Multiple systems can be installed together to meet the needs of a wide variety of home sizes and energy consumption profiles.

Product Features

Safe Technology & Multi-level Protection

Lithium iron phosphate (LFP) chemistry provides the highest level of safety, thermal stability, and reliability;

An integrated, multi-level Battery Management System (BMS) monitors, optimizes, and balances system

Turnkey System

Fully integrated, pre-configured system reduces onsite installation time;

Package includes inverter, battery trays, software and enclosure

Built-in Energy Management System (EMS)

Built-in Energy Management System (EMS) that can be configured for backup power, self consumption and Time of Use

Warranty

10 years

Modular & Scalable

Scalable in 5kW/10kWh increments

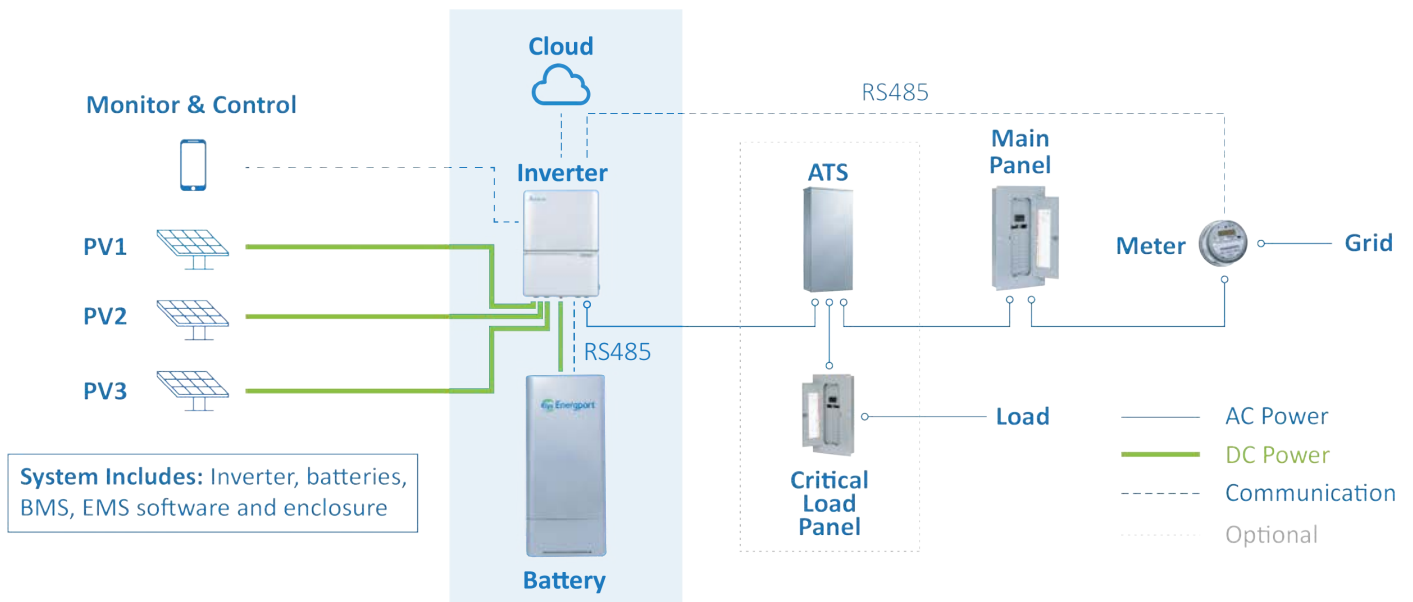
Monitor & Control

Integrated cloud based software for local/remote control, performance monitoring and system configuration

Certification

UN 38.3, UL 1741-SA, HECO Rule 14, UL 1973 & UL 9540 (pending)

System Schematic



Supported Applications

Resiliency. The Ep Homeport provides backup power during grid outages and prevents power outage losses.

Self-consumption. The system stores excess solar energy produced during the day for use at another time.

Time of Use. The batteries charge during times of low-cost pricing, and discharge during high-cost times.

SYSTEM DATA	HOMEPORT L0510
Nominal AC Voltage – Single Phase	120V/240V/60Hz
Nominal Continuous Power Rating (kW AC)	5
Peak Power Rating (kW AC, 30s)	6
Usable Battery Capacity (kWh DC)	10
Nominal Duration of Discharge (Hours)	2
Nominal Battery Voltage (Vdc)	409.6
DC Amp-hours (Ah)	27
System Round-Trip Efficiency (RTE%)	89%
Dimension (D x W x H, In., battery only)	8.7" x 17.9" x 42.4"
Weight (lbs., battery only)	198
Operating Temperature	32 °F - 105 °F
Warranty	10 years; designed for daily cycling
Certification	UN 38.3, UL 1741-SA, HECO Rule 14, UL 1973 & UL 9540 (pending)
Enclosure Rating	IP54
Installation Location	Indoor (Wall-mounted or floor-standing)
Communication Interface	RS485, Modbus TCP
EMS Software & Control	Cloud-based web interface