

# E Series – 20'



Turnkey Containerized Energy Storage Systems

## / Description /

© Ynergy's cutting-edge energy storage systems offer a comprehensive solution tailored for commercial and industrial (C&I) needs. Our lithium iron phosphate (LFP) battery technology, proven in hundreds of thousands of electric vehicles, forms the cornerstone of our integrated solution. Designed with a focus on reliability, safety, and high performance, these systems deliver unparalleled value to our C&I clientele. Our plug-and-play integrated inverters ensure seamless implementation, reducing installation costs and enabling swift deployment without operational disruptions. Committed to top-notch customer experience, our systems feature web-based remote monitoring, empowering C&I customers to optimize performance and derive maximum value.



With a vision to revolutionize the energy landscape, Ynergy's C&I-focused energy storage solutions pave the way for efficient and sustainable energy goals. These solutions, powered by LFP battery technology, cater to a wide range of applications including demand response, peak shaving, and backup power. Our emphasis on safety, longevity, and adaptability in diverse climates ensures that businesses can rely on stable and secure energy reserves. Ynergy's battery storage systems are engineered to meet the rigorous demands of C&I customers, providing high energy density, extended life cycles, and utmost safety for a resilient and cost-effective energy solution.

## / Features /

01

### Multi-level Protection & Safest Chemistry

An integrated, multi-level Battery Management System (BMS) monitors, optimizes, and balances system; Lithium iron phosphate (LFP) chemistry provides the highest level of safety, thermal stability, and reliability;

02

### Turnkey Solution

Fully integrated, pre-configured system reduces on-site installation time; Package includes inverter, battery trays, software, fire suppression and enclosure.

03

### String-Inverter Architecture

Individual inverters for smaller sections of storage systems offer fault isolation, increased reliability, and enhanced management.

04

### Off-the-Shelf Energy Management System

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

05

### Customization

Multiple power and energy configurations; Modular, scalable design for precise project sizing

06

### Warranty

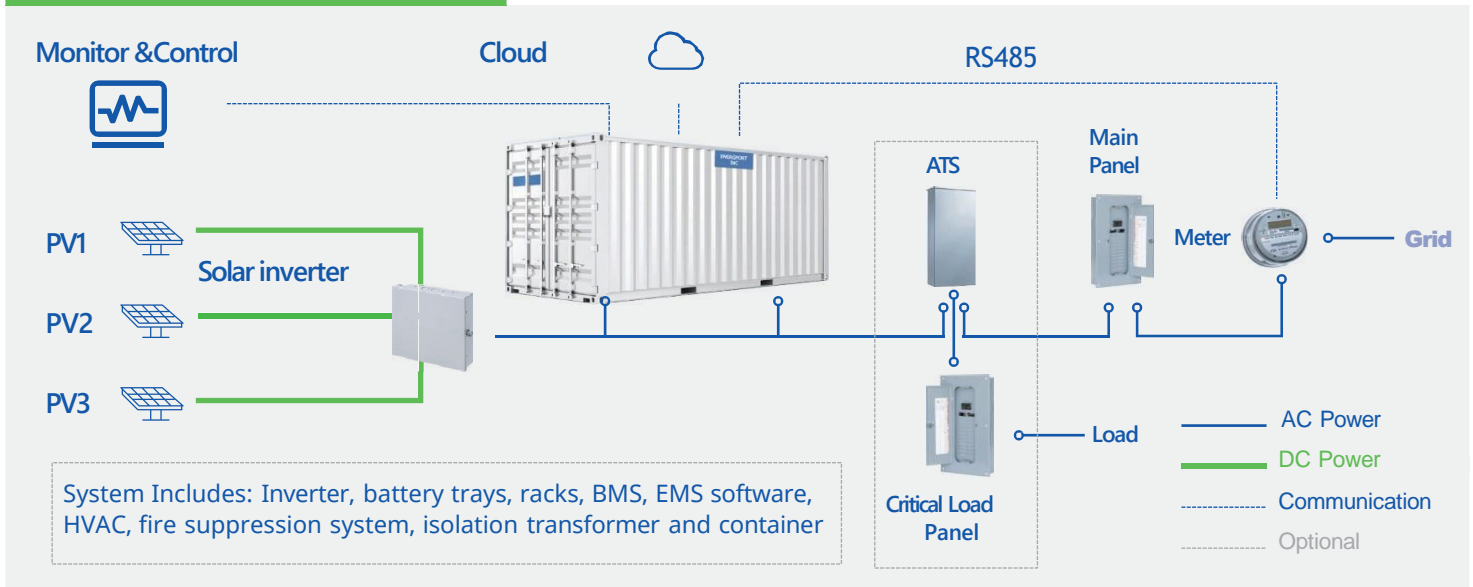
3 Years Standard, 10 Year Extended

07

### Certification

UN38.3, UL9540A, UL 1973, UL 1741-SA, UL 9540

# / Schematic /



# / Product Specification /

System Data *	E5001100	E5002200
Nominal AC Voltage - 3 Phase*	480V60Hz	
Nominal Continuous Power Rating (kW AC)*	500	
Peak Power (kW AC, 1 min)	550	
Useable Battery Capacity (kWh DC)	1123	2247
Nominal Battery Voltage (Vdc)	716.8	716.8
Battery Voltage Range (Vdc)	627.2~806.4	627.2~806.4
System Round-Trip Efficiency (RTE%)	89%	89%
Weight (lbs/ton)	40,786/18.5	60,627/27.5
Dimension (D x W x H, mm) / (D x W x H, ft)	6,058x 2,438 x 2,896/20 x 8 x 9.5	
Communication	CAN, TCP/IP	
Operating Temperature	-20 ~ 55°C (-4 ~ 131°F) (>45°C, power derating)	
Standard Warranty Length	3 year standard, 10 year extended	
Certification	UL 1973, UL 1741, UL 9540, UL9540A	
Battery Cooling Method	Air cooling and heating	
Firefighting System	Two options: 1. Water fire suppression; 2. Water + clean agent fire suppression	
Battery Configuration	2P16S * 14S * 8 Strings	2P16S * 14S * 16 Strings

\* Other system configurations are available. Please contact Ynergy for more information.

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