



pacific
energy

Battery Energy Storage Systems
Renewables- Microgrids- Energy Management

Battery Energy Storage Systems

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Turnkey energy storage for commercial, industrial, and utility applications

- Demand Charge Reduction
- Solar and Wind Integration
- Transmission and Distribution Investment Deferral
- Frequency and Voltage Regulation
- Microgrid Support

Complete solution. Compact package.

Offering you:

- Robust, reliable energy storage systems
- Ease of installation and compact footprint
- Flexibility – modular in 100 to 500 kW and 100 to 1400 kWh AC
- Scalability – easy to scale up to MW uses
- BMS/ SiC Inverter Power electronics – 100 kW Modular DC/AC 3



ESS 150/300 SKID and TRAILER

ESS 20FT and ESS 40FT

Energy Storage Unit General Specifications

System Description	Turnkey outdoor-rated energy storage system including AC/DC protection, power conversion, energy storage, thermal management, and controls		
Storage Type	Advanced Lithium Battery		
Round Trip Efficiency	>97% -Silicon Carbide Technology		
Power Interface	AC 3-phase – 480V (standard)		
Control Interface	Modbus, Ethernet / Modbus TCP/CAN		
Control	Compatible with 3rd Party /SCADA		
Ambient Operating Temp	-22°F to 122°F (-30°C to 55°C)		
Enclosure	NEMA 4		
Model	150/300	20ft	40ft
Power Configurations*	Up to 300 kW**	Up to 1 MW**	up to 3MW**
Energy AC Configurations	Up to 150 kWh	500kWh	1000 kWh
Footprint(in ft.)	4' D x 8' L x 5' H	6' D x 12'6" L x 8'5" H	6' D x 16' L x 8'5" H
Weight in lbs. (kg)	<5,700 (2585 kg)	<23,000 (10,432kg)	<30,000 (13,600 kg)

* Provided in the same enclosure/container

** Power/Energy ratio can be increased up to 6C

Certifications

System	UL 9540 in process
Inverter	UL1741SA, IEEE 1547 in process
Battery Cell	UL 1642 in process



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