

Storage Systems 04HC | 20HC



Best-in-Class Battery Energy Storage & Engineering Support



Engineering Support & Services

- ▶ Engineering support, including sizing, design assistance, and integration
- ► Energy Asset Monitoring Platform with 24/7 access to Command Center support
- ► Factory startup and commissioning available
- ▶ 10-year, third party-backed waranty with standard performance guarantee
- Utility-hardened microgrid control / EMS by OATI
- Best lead times in the industry



Highest Safety

- ▶ High thermal stability with liquid cooling; 20% less parasitic loads than air-cooled
- Compact & robust designs to fit any application requirements
- Less mechanical stresses with 10,000+ cycle life
- Seven levels of software protection

Safe. Reliable. Optimal Performance.









Supporting developers, EPCs, integrators, engineers, contractors & end-users from conception through completion as an extended resource.

Key Features

Improved safety characteristics and optimized for reliability and performance.

Product Certifications

- UL9540* (depending on configuration)
- UL9540a Tested
- UL1973
- IEC62619

Design features all platforms

- · Liquid-cooled
- LFP Chemistry
- -40° to 140° F operating temperature
- >160 KWh /kg Energy Density

Battery Energy Storage Systems

Liquid-cooled Battery Energy Storage System based on prismatic LFP cells with highest lifecycle performance.

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FEATURES ALL	PLATFORMS	COMMUNICATI	ON PROTOCOLS
Energy Efficiency	>94%	Interfaces	RS485, Ethernet, GPR
Max Altitude	<13,000 ft	Protocols	DNP3.0, Modbus, IEC IEC 104, Web API
Ambient Temp Range	-40°F to 140°F	ELECTRICAL	
Rated Cell Life	70% Retention 10,000 cycles (0.5°C at 77°F)	Rated Voltage	1228.8V
		Rated Voltage Range	900.0 - 1401.6V
Configurations	04HC: 1P384S 20HC: 10P384S	Coolant	50% Water 50% Glycol
04HC-0344-DC		04HC-0386-D0	C
Capacity	3.2V / 280 AH	Capacity	3.2V /300 AH
Nominal Energy	344 kWh	Nominal Energy	368 kWh
Max kW	172kw / kVA	Max kW	184kw / kVA
Dimension	4.26'L x 4.26'W x 7.54'H	Dimension	4.26'L x 4.26'W x 7.54
Weight	6,500 lbs	Weight	6,700 lbs
Protection	IP 55	Protection	IP 55
20HC-3440-DC		20HC-3686-D0	
Capacity	3.2V / 280 AH	Capacity	3.2V /300 AH
Nominal Energy	3440 kWh	Nominal Energy	3686 kWh
Max kW	1720kw / kVA	Max kW	1843kw / kVA
Dimension	19.87′L x 7.99′W x 9.5′H	Dimension	19.87'L x 7.99'W x 9.5'
Weight	66,320lbs	Weight	68,785 lbs
Protection	IP 54	Protection	IP 54