



DATASHEET

Cell Driver™ 90kW/192kWh: Commercial & Industrial Energy Storage System

Overall features*

Base model power (kW / kWh)	90 / 192
Enclosure rating	Outdoor NEMA 3R
Battery cells	Lithium Iron Phosphate
Battery warranty	10 Years

AC rating*

Rated power (kW)	90
Phase	3
Frequency (Hz)	60
Rated voltage (V)	208/120 L-N
Rated current (Arms)	250
Maximum over current (Arms)	310
Inrush capability (Arms)	300 (10 sec)
Power factor	-0.99 to +0.99, adjustable for grid profile
Short circuit withstand (kA)	65

DC rating*

Battery bus voltage (V)	180
Total capacity (kWh)	192
Max charge/discharge current (Arms)	250
Capacity per cell (Ah)	280
Number of modules per phase	8

Stand alone mode*

Rated power (kW)	90
Transition interrupt time to stand alone (ms)	100
Transition interrupt time to grid tied (ms)	100
Inrush capability (Arms)	300 (10 sec)

Mechanical rating*

Mounting	Ground Mount
Ambient operating temperature (C°)	-40 to +50
Relative humidity (%)	10 – 90
Weight (lbs / kg)	6300 lbs / 2,850 kg
Dimensions (in / cm)	119 H x 60 W x 42 D 302 H x 152 W x 107 D
Cooling and heating	Closed-Loop HVAC
Seismic rating	IEEE693
Enclosure ingress rating	IP14 / NEMA 3R

Communication*

External	Ethernet, RS485, RS232
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Certifications*

EMS	IEEE 2030.5
Safety	UL 1741 SA/SB, UL 9540, UL 1998, UL 1973, IEEE 1547, CSA C22.2#107.1, CSA C22.3#9
Fire testing	UL 9540A
Warranty	10 Years

*Specifications are subject to change

¹Step-up transformers are required per site & load. Not included.

