

BATTERY

Nominal capacity	2236 kWh (6 Racks) / 2981 kWh (8 Racks) / 3727 kWh (10 Racks)
Usable capacity (90 % DoD)	2012 kWh (6 Racks) / 2683 kWh (8 Racks) / 3354 kWh (10 Racks)
Battery technology	LiFePO ₄
Charge/discharge rate	0.5 C
Battery pack type	1P52S (46.59 kWh) liquid cooled
BMS	integrated
Rated DC voltage	1328 V
Backup function	Yes
Battery life cycle	≥ 6000 times @ 77 °F ±36 °F 0.5 C

INVERTER

PCS-Inverter DC/AC	Sinexcel PWS1-1500KTL-H
Operating voltage range (DC connection)	900 to 1500 V
Full power voltage range (DC connection)	940 V ~ 1500 V
Max DC current	1897 Amps
Max DC power	1650 kW
Max AC power	1650 kVA
AC line voltage	208 - 480 V rms
AC line frequency	50 / 60 Hz
Peak efficiency	97 %

CONVERTER

PCS-Converter DC/DC	Sinexcel PDS1-750k 750kW DC-DC Converter for PV
Max. number of MPPTs	10
Max. string voltage	1500 V
String operating voltage	500 – 1500 V
MPP voltage range	500 – 1500 V
Max. current per input	82.5 A
Reverse polarity protection	yes
Max. power @ 25°C	750 kW

ENERGY MANAGEMENT SYSTEM

EMS	OpenEGrid Apollo™
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COMMUNICATION

Communication protocol	Modbus TCP/CAN
Touch panel	15.6 " industrial standard
Cloud	Yes

OPERATION

Relative operating humidity	0-95 %, no-condensation
Operating temperature range	-4 F to 122 F
Operating altitude	≤ 6562 ft

DIMENSIONS (TOTAL)

Dimensions (W x H x D)	239x114x96inches
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SAFTEY / STANDARDS

Protection	IP54/NEMA 3R
Safety features	a. Hydrogen detector b. Explosion-proof exhaust c. Smoke /temperature detection
Certification and compliance	UL1973, UL60730/UL9540A/UL9540, UN38.3, UL9541, UL1741 California Rule 21, IEEE2030.5, IEEE1547- 2018, OpenADR

WARRANTY

Warranty	10 years
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