

BATTERY

Nominal capacity	186 kWh
Usable capacity (90 % DoD)	167 kWh
Battery technology	LiFePO ₄
Charge/discharge rate	0.5 C
Battery pack type	1P52S (46.59 kWh) liquid cooled
BMS	integrated
Rated DC voltage	665.6 V
DC voltage range	520 V ~ 759 V
Backup function	Yes
Battery life cycle	≥ 6000 times @ 77 °F ±36 °F 0.5 C

INVERTER

PCS-Inverter DC/AC	Oztec OZPCS – RS40 (max. 3)
Operating voltage range (DC connection)	330 - 820 VDC
Full power voltage range (DC connection)	550 - 820 VDC
Max DC current	+/- 75 A
Max DC power	40 kW
Max AC power	1x40=40 / 2x40=80 / 3x40=120 kVA @ 480 V rms
Max AC current	50 A rms
AC line voltage	208 - 480 V rms
AC line frequency	50 / 60 Hz
Peak efficiency	97 %

CONVERTER

PCS-Converter DC/DC	Alencon Spot-1000 V7 Series
Max. number of MPPTs	4
Max. string voltage	1000 V
String operating voltage	200 – 1000 V
MPP voltage range	200 – 880 V
Max. current per input	25 A
Reverse polarity protection	yes
Max. power @ 25°C	4 x 22 KW = 88 KW
Max. power @ 50°C	4 x 17 KW = 68 KW

ENERGY MANAGMENT 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	-22 F...+122 F
Operating altitude	≤ 6562 ft

DIMENSIONS (TOTAL)

Dimensions (W x H x D)	63 x 87 x 54 inches
Weight	6350 lbs

SAFTEY / STANDARDS

Protection	IP54/NEMA 3R	
Safety features	a. Hydrogen detector b. Explosion-proof exhaust c. Smoke /temperature detection	d. Aerosol fire extinguish e. Emergency button f. Horn and strobe alarm g. Hydrant pipe
Certification	UL1973, UL60730/UL9540A/UL9540, UN38.3, UL9541, UL1741	

WARRANTY

Warranty	10 years
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