Model

SUN-BATT-80



Overview

Indoor battery rack with IP20 protection level, inbuild lithium-ion battery and BMS

Easy Installation and Maintenance

Local and remote management, standard rack&module design, front maintenance

Safe & Reliable

Self-developed 2-level / 3-level BMS, complex protection, safe and reliable

High Density

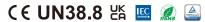
LP high-capacity Li-ion battery with aluminum shell, over 130wh/kg

Long Lifespan

Long cycle life, 8000 cycles *

Cell Balancing Technology

Active cell balancing and passive cell balancing









Model	E-MATE 80	
Performance		
Battery module (Wh/V)	6.144 kWh, 51.2V, 64kg (141lbs)	
Number of modules	13	
Cell technology	LFP (LiFePO4)	
Battery usable energy [1]	79.82 kWh	
Nominal voltage	665.6 V	
Operating voltage	592.8-730.08 V	
Nominal output current	48 A / 84A	

Communication	
Display	SOC status indicator, LED indicator
Communication	CAN / RS485 / RS232

General Specification	
Dimension (W*D*H)	2420x305x1150 mm
	95.3x12x45.3 inch
Weight	About 886kg (1953lbs)
Operating temperature [2]	-20 to 60 °C (-4 to 140 °F)
Environmental humidity	≤ 95%RH (No condensation)
Protection rating	IP 20
Cycle life [3]	8000 Cycles @ 80% DOD / 25°C / 0.5C, 70% EOL
Scalability	Yes
Application	ON Grid / ON Grid + Backup / OFF grid
Compatible PCS	Refer to compatible PCS list

Standard Compliance		
	Cell: UN38.3 / IEC62619 / UL 1642 / JET	
Certificates	Pack: UN38.3 / IEC62619 / IEC61000	
	Available upon request	

Ordering and Deliverable Part	
Part	E-MATE-6.1P-OT (Battery module)
	E-MATE-BCU-080H1-OT (Main control box)
	E-MATE-6.1BP (Battery pedestal)

^[1] Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25°C.

DATASHEET



^[2] Charge/discharge derating occurs when the operating temperature from -10°C to 5 °C.& 45 °C to 55 °C.

^[3] Please refer to the Warranty Letter for applicable conditions.