



# 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

### [ Safety & Reliable ]

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

### [ High Density ]

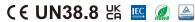
LP high-capacity Li-ion battery with aluminum shell, over 130wh/kg

### [ Long Lifespan ]

Long cycle life, 8000 cycles \*

### [Cell Balancing Technology]

Active cell balancing and passive cell balancing









### DATASHEET

Model	SUN-BATT- 80
Performance 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		
	SUN-BATT-6.1P-OT (Battery module)	
Part	SUN-BATT-BCU-080H1-OT (Main control box)	
	SUN-BATT-6.1BP (Battery pedestal)	



<sup>[1]</sup> Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25°C [2] Charge/discharge derating occurs when the operating temperature from –10°C to 5 °C & 45 °C to 55 °C [3] Condition apply. Refer to Warranty Letter