

SUN  SYNK[®]



GWSTORE
RENEWABLE ENERGY SOLUTIONS

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

[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
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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

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

Ordering and Deliverable Part

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

[1] 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