



Product Catalogue

XIAMEN MARS ROCK SCIENCE TECHNOLOGY CO.,LTD



XIAMEN MARS ROCK SCIENCE TECHNOLOGY CO.,LTD

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Revised in 2023

Model SQ 5120+ / 5324+ / 10649+ / 15974+



[More Usable Energy]

100% Depth of Discharge

[Flexible Investment]

Up to 15 units in parallel

[Safe & Reliable]

Premium Lithium Iron Phosphate(LFP)
6000 cycles

[Easy Installation]

Floor Stand or Wall Mounted

[Quick Commissioning]

One Button ON/OFF
Automatic ID Assignment

[Perfect Compatibility]

Compatible with Major PCS Brands

DATASHEET

Model	SQ-5120Wh+	SQ-5324Wh+	SQ-10649Wh+	SQ-15974Wh+
Performance				
Cell technology	LFP (LiFePO4)	LFP (LiFePO4)	LFP (LiFePO4)	LFP (LiFePO4)
Battery usable energy [1]	5,120 kWh	5,324 kWh	10,649 kWh	15,974 kWh
Nominal voltage	51.2 V	51.2 V	51.2 V	51.2 V
Operating voltage	45.6 - 56.16 V	45.6 - 56.16 V	45.6 - 56.16 V	45.6 - 56.16 V
Nominal output current	100 A / 50 A	100 A / 50 A	200 A / 100 A	300 A / 150 A
BMS protection current	110 A, 1 s	110 A, 1 s	210 A, 1 s	310 A, 1 s

Communication

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

General Specification

Dimension (W*D*H)	500x150x563 mm 19.7x5.9x22.2 inch	500x150x563 mm 19.7x5.9x22.2 inch	600x160x836 mm 23.6x6.3x32.9 inch	750x160x950 mm 29.5x6.3x37.4 inch
Weight	45 kg (99 lbs)	46 kg (101 lbs)	89 kg (196 lbs)	130 kg (287 lbs)
Installation	Floor stand or Wall mounted			
Operating temperature [2]	-20 to 60 °C (-4 to 140 °F)			
Environmental humidity	≤ 95%RH (No condensation)			
Protection rating	IP 55			
Cycle life [3]	6000 Cycles @ 80% DOD / 25°C / 0.5C, 60% EOL			
Scalability	Max 15 batteries in parallel			
Application	ON Grid / ON Grid + Backup / OFF grid			
Compatible inverters	Refer to compatible inverter list. (Compatible with major PCS brands)			

Standard Compliance

Certificates	Cell: UN38.3 / IEC62619 / UL 1642 / JET Battery pack: UN38.3 / IEC62619 / IEC61000 / UKCA (More available upon request)
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Ordering and Deliverable Part

Part	SQ-5120 + Battery	SQ-5324+ Battery	SQ-10649 + Battery	SQ-15974+ Battery
	SQ-5120 + Parallel cable	SQ-5324+ Parallel cable	SQ-10649+ Parallel cable	SQ-15974+ Parallel cable
	SQ-5120 + To PCS cable	SQ-5324+To PCS cable	SQ-10649+ To PCS cable	SQ-15974+ To PCS cable

[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