

QS Series Battery Pack BAT-QS5

Version 1.1-2609

Design and specifications are subject to change without notice



10,000 Cycles & 15-Year Reliability



Innovative DC-DC Architecture for Higher Efficiency



7-Layer Advanced Safety Protection



Expandable up to 30kWh with 6 Battery Modules

Technical Specifications

BAT-QS5-BC/QS5-BCP/BAT-QS5

Model	BAT-QS5-BC	BAT-QS5-BCP
Operating Voltage Range (Single Phase)	420 ~ 500V	420 ~ 500V
Operating Voltage Range (Three Phase)	420 ~ 500V	420 ~ 500V
Weight	< 7kg	< 7kg
Dimensions (W*H*D)	460*274*115mm	460*274*115mm
Compatible Battery	QS5 series	QS5 series
Communication	CAN	CAN
Battery Connection Terminals	1 set	2 sets

Model	BAT-QS5
Battery Type	LiFePO4
Cell Capacity	314Ah
Cycle Life	10,000
Total Energy Capacity	5.02kWh
Usable Energy Capacity	4.86kWh
Depth of Discharge	100%
Max. Charge/Discharge Power	2.5kW
Peak Charge/Discharge Power (10s)	3.75kW
Max. Output Current	6A
Weight (kg)	< 40kg
Dimensions (W*H*D)	460*274*296.5mm
Storage Temperature Range	-25 ~ 60°C
Operating Temperature Range	-20 ~ +55°C
Relative Humidity Range	5% ~ 95%
Max. Operating Altitude	4,000m
Cooling	Natural cooling
System Ingress Protection Rating	IP66
Installation Method	Floor-mounted
Number of Modules per Controller	1 ~ 6
Safety	IEC 62619
EMC	IEC 61000-6-1/2/3/4
Transportation	UN38.3