

QS Series Battery Pack

BAT-QS5

Version 1.0-2608

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

Model	BAT-QS5-LN (N=1~10)	BAT-QS5-L11	BAT-QS5-L12
Battery Type		LFP (LiFePO4)	
Rated Energy	5.02*N kWh	55.22kWh	60.24kWh
Rated Capacity	314*N Ah	3454Ah	3768Ah
Cycle Life		10000	
Depth of Discharge		100%	
Max. Charge/Discharge Current	6*N Ad.c.	60 Ad.c.	60 Ad.c.
Input/Output Power	2.5*N kW	25kW	25kW
Peak Charge/Discharge Power (10 seconds)		3.75kW	
Max. Output Current		6Ad.c.	
Operating Voltage Range (Single phase system)		420 ~ 500Vd.c.	
Operating Voltage Range (Three phase system)		420 ~ 500Vd.c.	
Battery Rated Voltage		16Vd.c.	
Communication		CAN	
Storage Temperature Range		-25 ~ +60°C	
Operating Temperature Range		-20 ~ +55°C	
Relative Humidity Range		5 ~ 95%	
Max. Operating Altitude		4000m	
Cooling Concept		Natural cooling	
Ingress Protection		IP66	
Protective Class		Class I	
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	