



RS-Box

Item	General Parameter	
Type	LiFePO ₄ (LFP)	
Nominal Voltage	51.2V	
Voltage Range	44.8V-58.4V	
Nominal Capacity	RS-Box 8700	170.0Ah(0.2C)
	RS-Box 4100	80.0Ah(0.2C)
Nominal Energy	RS-Box 8700	8.7kWh(0.2C)
	RS-Box 4100	4.1kWh(0.2C)
Dimension	L340 x W540 x H880 mm	
Weight	RS-Box 8700	110Kg
	RS-Box 4100	70Kg
Max. Continuous Discharge Current	RS-Box 8700	120A(60min.s)
	RS-Box 4100	60A(60min.s)
Nominal Charge/Discharge Current	RS-Box 8700	80A
	RS-Box 4100	40A
Maximum Output Power	RS-Box 8700	7000W
	RS-Box 4100	3500W
Faraday Charge Efficiency(25°C)	99.8%	
Battery Efficiency (C/3,25°C)	92%	
Expected Lifetime (25°C)	>10years	
Expected Cycle Lifetime (90% DOD; 25°C)	>6000cycles	
Operation Temperature Range	Charge: 0~45°C; Discharge: -20~60 °C (Cell Surface Temperature≤80°C)	
Optimal Temperature Range	15~30°C	
Storage Temperature Range	-30~50°C	
Communication Uplink	RS-232	
Cell Safety(Certification)	IEC62619	
Pack Safety (Certification)	IEC62619	
UN Number	MH 49169	
Transport Safety (Certification)	UN38.3	
TÜV Certification	IEC62619	
CE Certification	EN 61000-6-1、EN61000-6-3	