

Model: 6S1P - 22.2V 25 Ah - Semi Solid State Li-ion
Stock Code: 900.635.503.001

Item	Specifications		Conditions
Rated Capacity	Nominal	25 Ah	12.5 A (0.5C) charge, and discharge at 12.5 A (0.5C) down to 9V cut-off.
	Minimum	24.4 Ah	
Nominal Voltage	21.9V		
Charging Voltage	25.2V		
Standard Charge Current	0.5C - 12.5 A		Charge at a constant current (CC) of 0.5C (12.5A) to 33.6, then charge at a constant voltage (CV) until the charging current is less than 0.02C (0.6A).
Maximum Charge Current	1C - 25 A		Charge at a constant current (CC) of 1C (25A) to 33.6, then charge at a constant voltage (CV) until the charging current is less than 0.02C (0.6A).
	2C - 50 A		Charge at a constant current (CC) of 2C (50A) to 33.6, then charge at a constant voltage (CV) until the charging current is less than 0.02C (0.6A).
Standard Discharge Current	0.5C - 12.5 A		0.5C (12.5A)
Maximum Discharge Current	1C - 25 A		3C (75A) - Continuous
	5C - 125A		(125A, $\leq 1\text{min}$)
Discharge Cut-off Voltage	16.5V		
Cycle life	800 times		800 times (0.5C/0.5C; 100% DOD)
	500 times		500 times (0.5C/3C; 100% DOD)
Internal resistance	12m Ω		-
Weight	1.98kg		Approx.
Operating Temperature	Charge: 0°C ~ 45°C Discharge: -10°C ~ 55°C		
Storage Temperature	1 month: -20°C ~ 45°C 3 months: -10°C ~ 35°C		

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Item	Specifications	Representative Image
Thickness	$\leq 69.0\text{mm}$	
Width	$\leq 78.0\text{mm}$	
Length	$\leq 195.0\text{mm}$	
Cable Length for Power – DC	$150\text{mm}\pm 10\text{mm}$	
Cable Length for Balance	$90\pm 15\text{mm}$	
Connector – Power -DC	XT90S-F	
Connector – Balance	XH2.54 7P	