

SUPER CAPACITOR MODULE

TECHNICAL DATA SHEET

Part Number: SY51.2V4.6KWh31E | Version Date: April 2023



.Scope

This specification is applied to super capacitor battery pack manufactured by Shanghai SUPRO Energy Tech Co.,Ltd.

1. Ratings

Part Number		SY51.2V4.6KWH31E	Remark
Nominal Capacity		90Ah	±5% @25℃
Nominal Voltage		51.2V	---
Nominal Energy		4.608kwh	---
Upper voltage		57.6V	
Low voltage		41.6V	
Pack resistance		< 50 mΩ	@ 1KHz AC, 50% SOC
Continuous Charge		50A	
Continuous Discharge		100A	
Peak dis current		120A	: @50%soc , 10s
Weight		52kg	
Projected Cycle Life (25℃)		20,000 times	
Warranty		15 years	
Self-discharge Rate		2% per month	
Cooling		Natural cooling	
Case material		Steel case	
Storage Temperature		-20℃~40 ℃	SOC>30%, one full charge needed per two months
Storage Humidity		25% ~ 95%RH	---
Operating Temperature	Discharge	"-30 ℃~60 ℃	---
	Charge	0 ℃~55 ℃	---
Dimension (mm)		490*730*133	

