

SUPER CAPACITOR MODULE

TECHNICAL DATA SHEET

Part Number: SY51.2V14KWh31W | Version Date: March 2023



.Scope

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

1. Ratings

Part Number	SY51.2V14KWh31W	Remark
Nominal Capacity	270Ah	±5% @25℃
Nominal Voltage	51.2V	---
Nominal Energy	13.82Kwh	---
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	156kg	
Cooling	Natural cooling	
Case material	Steel case	
Projected Cycle Life (25℃)	20000 times	
Warranty	15 years	
Cells Self-discharge Rate	2% per month	
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)	1040*760*133	

