

PowerForma

48V 5.37KWh

Graphene Supercapacitor
Rack Mount
Cold Temp Environments



Product Specifications

Part Number	SCE48V5120CLDR23
Nominal Voltage	51.2 V/DC
Cell Type	Graphene Supercapacitor
KWh	5.12 KWh
Amp-hours	100
Max Charge Voltage	57.6 V/DC
Cutoff Voltage	41.6 V/DC
ESR/AC @1KHz	<30mΩ
Max Charge Current	100 A
Max Discharge Current	100 A
Cells Self-discharge Rate	2% per month
Cycle Life	20,000
Recommended SOC Range	10%~98%
Max Depth of Discharge	100%
Round Trip Efficiency	97%
Monitoring Data	Module Voltage, SOC, Cell Temp
Indicator Light Display	Capacity %
Communication	RS485
Series Connection	Not Permitted
Parallel Connection	Unlimited

Compliance Information

Certificates Compliant	CE:EN 62133:2013, EN 55032:2015+AC:2016, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013
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Environmental Information

Discharge Temperature	-40°C~+60°C
Charge Temperature	-40°C~+60°C
Cooling Method	Natural cooling
Operating Humidity	0~90% RH Non-condensing
IP Grade	IP55

Mechanical Specifications

Weight	42 Kg
Dimensions (W x D x H)	535 x 530 x 155 (mm)