

PowerForma

48V 14.2 KWh

Graphene Supercapacitor
Wall Mount



Product Specifications

Part Number	SCE48V14.2KW-W
Usable Energy	14.20 KWh
Cell Type	Graphene Supercapacitor
Rated Voltage	48 V/DC
Maximum Charge Voltage	58.8 V/DC
Discharge Cut-off Voltage	41.6 V/DC
ESR/AC @1KHz	<30mΩ
Max. Continuous Charge Current	100 A
Max. Continuous Discharge Current	100 A
Cells Self-discharge Rate	2% per month
Projected Cycle Life (25°C)	20,000 cycles
Recommended Depth of Discharge	≤ 90%
Maximum Depth of Discharge	100%
Monitoring Data	Module Voltage, SOC, Cell Temp
Indicator light display	Capacity %
Environmental Protection	Customized
Series Connection	Not Permitted
Parallel Connection	Unlimited
Series-Parallel Connection	Not Permitted

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	-30°C~+60°C
Charge Temperature	0°C~+55°C
Cooling Method	Natural cooling
Operating Humidity	0~90% RH Non-condensing
IP Grade	IP55

Mechanical Specifications

Weight	135 Kg
Dimensions (W x D x H)	730.x 118 x 1040 (mm)