

PowerForma

24V 5KWh

Graphene Supercapacitor
For Forklift



Product Specifications

Part Number	SCE24V5000F
Nominal Voltage	25.6 V/DC
Cell Type	Graphene Supercapacitor
KWh	5.12 KWh
Amp-hours	200
Max Charge Voltage	28.8 V/DC
Cutoff Voltage	22.4 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
------------------------	--

Environmental Information

Discharge Temperature	-20°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	28 Kg
Dimensions (W x D x H)	400 x 283 x 250 (mm)