

PowerForma

1334V 2MWh

Hybrid Graphene Supercapacitor
Containerized BESS Module



Product Specifications

Part Number	SCE1334V2.0MWC
Usable Energy	2MWh
Cell Type	3.2V/75Ah Hybrid Supercapacitor
Rated Voltage	1334.4V/DC
Maximum Charge Voltage	1501.2/DC
Discharge Cut-off Voltage	1167.6V/DC
Max. Continuous Charge Current	750A
Max. Continuous Discharge Current	1500A
Cells Self-discharge Rate	2% per month
Projected Cycle Life (25°C)	20,000
Capacity Degradation	≤ 20% over rated cycle life
Cycling Capability	2 per day
Recommended Depth of Discharge	≤ 90%
Max Depth of Discharge	100%
Enclosure	External Access Custom 20' Steel
Monitoring Data	Module voltage, SOC, current, temperature, more
Communication	RS485
BMS Capabilities	Charge leveling, thermal management, self-protection & alarms
BMS Administration	Local and remote system administration
Ancillary Equipment	HVAC, Fire Suppression
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	-10°C~+55°C
Charge Temperature	0°C~+55°C
SCADA Controller	Not included
Recommended PCS	Dynapower CPS series (Not included)
Included Accessories	Power Cables, Terminal bar
Installation Environment	Outside
Access	External Only
Configuration	417S/20P
Storage Conditions	-20°C~+40°C 25% ~ 95%RH, SOC>30%