

# PowerStone



PowerStone is a newly designed battery system, with 1C charge rate and allows outdoor use. the integrated smart BMS system is widely compatible with branded PCS and integrated FANs & air. conditioner provide better temperature control, thus making sure of the safe operation of the whole battery system.



1C charge & discharge rate



Extendable up to 1MWh



Outdoor use



Modular design

# Technical Parameters

Model	PowerStone-15s
Battery Type	Li-ion(LFP)
Nominal Battery System Energy	76.8kWh
Nominal Battery System Voltage	768Vdc
Battery System Working Voltage Range	672~864Vdc
Battery System Weight	1450kg
Battery Cabinet Dimension(W*D*H)	1315*1010*1880mm
Battery Module Type	HV51100F
Battery Module Number	15pcs
Expansion	Max.12 cabinets connected in parallel
Recommended Charge & Discharge C Rate	1
Max.Depth of Discharge	100%
Battery System Protection Level	IP55
Anticorrosion Grade	C3
Altitude	≤2000m
Communication	CAN/RS485
Installation Environment	Outdoor
Cooling Method	Air conditioning cooling
Wiring	Cables enter and exit at the bottom of the cabinet
Humidity range	5%~85%RH(No condensation)
Compliance	UN38.3/IEC62619/1IEC63056/IEC6247/EMC

## Battery Module Specifications

Battery Type	Li-ion(LFP)
Nominal Battery Module Voltage	5.12Vdc
Nominal Battery Module Capacity	100Ah
Nominal Battery Module Energy	5.12kWh
Recommended Charge/Discharge Current	100A
Max.Continuous Charge/Discharge Current	100A
Battery Module Weight	47kg
Dimension(W*D*H)	548*554*152.8mm
Battery Module Protection Level	IP20
Cooling Method	Fan cooling
Charging Temp. Range	0~55°C
Discharging Temp. Range	-10~55°C

## BDU Specifications

BDU model	BDU-100
Max. Continuous Charge/Discharge Current	100A
Max. Continuous Charge/Discharge Power	100kW
Battery System Protection Level	IP20
Dimension(WDH)	560*510*155.5 mm
Weight	13kg