

# OUTDOOR ESS



## PowerRock 1C Series

1C charge & discharge rate

Extendable up to 1MWh

Outdoor use

Modular design

## Outdoor ESS

System Series	PowerRock 1C Series
	<b>Electrical Parameters</b>
Model	PowerRock-71.68kWh-Pro
Battery Module Type	PowerPack-5.12HV-Pro
Nominal Battery Energy [kWh]	71.68
Nominal Capacity [Ah]	100
Nominal Voltage [V]	716.8
Operating Voltage Range [V]	627.2 ~ 806.4
Recommended Charge & Discharge C Rate	1
Max. Depth of Discharge	100%
	<b>General Data</b>
Battery Module Quantity	14 units
Net Weight [kg]	1364
Dimension [W * D * H][mm]	1315 * 1010 * 1880
Rack System Control Unit Type <sup>[1]</sup>	BDU-201
Cooling	Fan
Degree of Protection	IP55
Anticorrosion Grade	C5
Altitude [m]	≤ 2000
Ambient Temperature Range [°C]	-20 ~ 50
Relative Humidity	5% ~ 85% (No condensation)
Communication	CAN / RS485
Expansion	Max.12 cabinets connected in parallel
Wiring	Cables enter and exit at the bottom of the cabinet
Certification & Safety Standard	UN38.3 / IEC62619 / IEC 63056 / IEC6247 / EMC

[1] Battery module needs to be used with BDU-201 control unit

Pack Model	PowerPack-5.12HV-Pro
	<b>Electrical Parameters</b>
Battery Type	LiFePO4
Nominal Battery Energy [kWh]	5.12
Nominal Capacity [Ah]	100
Nominal Voltage [V]	51.2
Recommended Charge / Discharge Current [A]	100
Max.Continuous Charge / Discharge Current [A]	100
	<b>General Data</b>
Net Weight [kg]	47
Dimension [W * D * H][mm]	548 * 554 * 152.8
Charging Temperature Range [°C]	0-55
Discharging Temperature Range [°C]	-10-55
Communication	CAN/RS485
Enclosure	IP20

BDU Model	BDU-201
	<b>Electrical Parameters</b>
Charge Voltage [V]	150-1000
Max. Continuous Charge / Discharge Current [A]	100
Max. Continuous Charge / Discharge Power [kW]	100
	<b>General Data</b>
Dimension [W * D * H] [mm]	560 * 510 * 155.5
Net Weight [kg]	13
Degree of Protection	IP20