

PowerGiant



Commercial Energy Storage Container

PG-BC2000/4000

Version 1.0

PowerGiant Technology Corporation reserves the right of final interpretation (2024)

Specification		
	BC2000	BC4000
Cell Type	LiFeP04 (LFP)	LiFeP04 (LFP)
Battery Energy	1.95MWh	3.35MWh
Rated Voltage	870.4Vdc	1331.2Vdc
Voltage Range	762Vdc to 979Vdc	1165Vdc to 1498Vdc
Efficiency	97%	97%
Throughput Energy	5000MWh (+25°C, 0.5C, 90%DOD, 70%SOH)	9000MWh (+25°C, 0.5C, 90%DOD, 70%SOH)
Max Charging Current	1120A (0.5C)	1260A (0.5C)
Max Discharging Current	1120A (0.5C)	1260A (0.5C)
Charge/Discharge Power	1.0MW	1.6MW
Communication Protocol	MODBUS RTU/TCP/CAN	MODBUS RTU/TCP/CAN
Operation Temperature	-20°C to 45°C	-20°C to 55°C
Storage Temperature	-20°C to 45°C	-20°C to 45°C
Humidity	0% to 95% (No Condensation)	0% to 95% (No Condensation)
Altitude	<3000m	<3000m
IP Rating	IP55	IP55
Dimension (W x H x D)	6058x2896x2438mm	6058x3200x2600mm
Weight	<21T	<35T
Cooling Method	Air Conditioning	Liquid Cooling