

# BOC Series

## Low-voltage Lithium Nattery Outdoor Cabinet

### Product introduction >>

The BOC series battery products are applied across six major markets: power systems (urban and rural grid upgrades, etc.), new energy sector (photovoltaic grid connection, etc.), industrial sector (factory and mine power distribution), telecommunications industry (5G base station power supply), transportation (charging, high-speed rail power supply, etc.), and commercial & residential areas (commercial facilities and community power distribution).

Equipped with lithium iron phosphate (LiFePO4) battery cells and a customized BMS (Battery Management System) for effective cell management, these batteries offer superior performance, safety, and reliability compared to traditional batteries. With diverse communication interfaces and a comprehensive software protocol library, the battery systems can directly interface and communicate with mainstream inverters on the market.

- Excellent resistance to rain, dust, sunlight, and corrosion, with an IP54 protection rating.
- Equipped with multiple protection mechanisms, including overcurrent protection, overvoltage protection, short-circuit protection, and lightning protection.
- Modular design allows for free combination of solutions, with independent units that facilitate installation, maintenance, and upgrading.
- Small footprint, space-saving structure, and easy mobility, suitable for various installation scenarios.



### Lithium Battery Pack Parameter Sheet >>

Model	GBP48-100R	GBP48-200R	GBP51.2-100R	GBP51.2-200R	GBP48-280R	GBP48-314R	GBP51.2-280R	GBP51.2-314R
Cell Type (Ah)	100	200	100	200	280	314	280	314
Nominal Energy (kWh)	4.8	9.6	5.12	10.24	13.44	15.1	14.33	16.1
Nominal Capacity (Ah)	100	200	100	200	280	314	280	314
Nominal Voltage (VDC)	48		51.2		48		51.2	
Operating Voltage Range (VDC)	42~54.75		44.8~58.4		42~54.75		44.8~58.4	
Standard Charge/Discharge Current (A)	50	100	50	100	100			
Maximum Continuous Charge/Discharge Current (A)	100	200	100	200	150			
Allowable Humidity Range (%RH)	< 85							
Storage Temperature (°C)	-10 ~ 55(Recommended 10 ~ 35)							
Charging Temperature (°C)	0~55							
Discharging Temperature (°C)	-10~55							
Protection Level	IP20							
Reference Weight (kg)	46	93	49	96	134	136	138	140
Reference Dimensions (D*W*H)mm	689*495*162	682*510*246	689*495*162	682*510*246	904*465*252			

Notes: For GBP48-100/200R and GBP51.2-100/200R, the standard charge/discharge current and maximum continuous charge/discharge current can be customized to 1C; the above are reference data, and if there are any changes, we will not notify you separately.

### Low-Voltage Lithium Battery Outdoor Cabinet Capacity Platform Parameter Table >>

Model	Dimensions D*W*H (mm)	Reference Weight (kg)	Reference Energy (kWh)
BOC-5K-3	1016*715*1000	124	15
BOC-5K-6	1016*715*1500	158	30
BOC-5K-10	1016*715*2200	205	50
BOC-10K-2	1016*715*1000	124	20
BOC-10K-4	1016*715*1500	158	40
BOC-10K-6	1016*715*2200	205	60
BOC-15K-2	1226*715*1000	142	32
BOC-15K-4	1226*715*1500	180	64
BOC-15K-6	1226*715*2200	229	96

Notes: Including AC single-cooling air conditioner, fire protection, lighting, and battery busbar equipment; excluding batteries.