





# BC45T/50T/60T BR45T/50T/60T

Outdoor battery cabinet with an IP54 protection level, and indoor battery rack with an IP20 protection level, inbuilt lithium-ion batteries, and the BMS.

## Features

-  Flexible modular design
-  Self-developed 3-level BMS
-  Remote monitoring and upgrade
-  Long cycle Life, 6000 cycles
-  Cell balancing method optional
-  0.5C&1C discharge optional

Note: At specific test condition.



BC45T BR45T

BC50T BR50T

BC60T BR60T

### Battery module specification

Configuration	24S1P	24S1P	24S1P
Rated capacity	100Ah	100Ah	100Ah
Rated energy	7.68kWh	7.68kWh	7.68kWh
Rated voltage	76.8V	76.8V	76.8V
Voltage range	67.2-87.6V	67.2-87.6V	67.2-87.6V
Rated charge/discharge	0.5C	0.5C	0.5C
Rated charge/discharge	1C(Opt)	1C(Opt)	1C(Opt)
AC internal resistance	≤15mΩ	≤15mΩ	≤15mΩ
Dimension (W/H/D)	360/285/692mm	360/285/692mm	360/285/692mm
Weight	≤74kg	≤74kg	≤74kg

### Battery rack specification

Configuration	6 battery modules +1 BPU	7 battery modules +1 BPU	8 battery modules +1 BPU
Rated capacity	100Ah	100Ah	100Ah
Rated energy	46.08kWh	53.76kWh	61.44kWh
Rated voltage	460.8V	537.6V	614.4V
Voltage range	403.2V-525.6V	470.4V-613.2V	537.6V-700.8V
Rated charge/discharge	0.5C	0.5C	0.5C
Rated charge/discharge	1C(Opt)	1C(Opt)	1C(Opt)
AC internal resistance	≤90mΩ	≤105mΩ	≤120mΩ
Display	7" Touch screen	7" Touch screen	7" Touch screen
BMS	Included	Included	Included
Communication	CAN	CAN	CAN
Monitoring	RS485	RS485	RS485
Maximum altitude	3000m	3000m	3000m
Dimension (W/H/D) mm	950/2150/1025 752/1760/660	950/2150/1025 752/1760/660	950/2150/1025 752/1760/660
Weight	≤716kg	≤539kg	≤615kg
Protection degree	IP54	IP20	IP54

### Balancing methods

Passive cell balancing	Yes	Yes	Yes
Active cell balancing	Opt	Opt	Opt

### BMS parameters on LCD

Cell voltage	Yes	Yes	Yes
Cell high voltage	Yes	Yes	Yes
Battery SOC	Yes	Yes	Yes
Cell temperature	Yes	Yes	Yes
Charge and discharge current	Yes	Yes	Yes
Cell low voltage	Yes	Yes	Yes
Total battery voltage	Yes	Yes	Yes
Fault warning	Yes	Yes	Yes

### Protection

Short circuit protection	Yes	Yes	Yes
Over current protection	Yes	Yes	Yes
Over charge protection	Yes	Yes	Yes
Over temperature protection	Yes	Yes	Yes
Cell over voltage protection	Yes	Yes	Yes
Cell under voltage protection	Yes	Yes	Yes
Over discharge protection	Yes	Yes	Yes

### Certificate

CE, UL, UN38.3, IEC62619, MSDS, ROHS, CB