

# 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	
Max. 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	≤792kg	≤615kg	≤868kg	≤691kg
Protection degree	IP54	IP20	IP54	IP20	IP54	IP20

**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