

BC75T/100T BR75T/100T/138T/145T

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.



BC75T BR75T**BC100T BR100T****BR138T****BR145T****Battery module specification**

Configuration	12S2P	12S2P	12S2P	12S2P
Rated capacity	200Ah	200Ah	200Ah	200Ah
Rated energy	7.68kWh	7.68kWh	7.68kWh	7.68kWh
Rated voltage	38.4V	38.4V	38.4V	38.4V
Voltage range	33.6~43.8V	33.6~43.8V	33.6~43.8V	33.6~43.8V
Rated charge/discharge	0.5C	0.5C	0.5C	0.5C
Rated charge/discharge	1C(Opt)	1C(Opt)	1C(Opt)	1C(Opt)
AC internal resistance	≤5mΩ	≤5mΩ	≤5mΩ	≤5mΩ
Dimension (W/H/D)	360/285/692mm	360/285/692mm	360/285/692mm	360/285/692mm
Weight	≤74.5kg	≤74.5kg	≤74.5kg	≤74.5kg

Battery rack specification

Configuration	10 battery modules +1 BPU	14 battery modules +1 BPU	18 battery modules +1 BPU	19 battery modules +1 BPU
Rated capacity	200Ah	200Ah	200Ah	200Ah
Rated energy	76.8kWh	107.52kWh	138.24kWh	145.92kWh
Rated voltage	384V	537.6V	691.2V	729.6V
Voltage range	336V-438V	470.4V-613.2V	604.8V~766.8V	638.4V~832.2V
Rated charge/discharge	0.5C	0.5C	0.5C	0.5C
Rated charge/discharge	1C(Opt)	1C(Opt)	1C(Opt)	1C(Opt)
AC internal resistance	≤50mΩ	≤70mΩ	≤90mΩ	≤95mΩ
Display	7"Touch screen	7"Touch screen	7"Touch screen	7"Touch screen
BMS	Included	Included	Included	Included
Communication	CAN	CAN	CAN	CAN
Monitoring	RS485	RS485	RS485	RS485
Max. altitude	3000m	3000m	3000m	3000m
Dimension (W/H/D) mm	1310/2150/1025 1119/2150/660	1310/2150/1025 1119/2150/660	1504/1760/660	1504/1760/660
Weight	≤1130kg	≤877kg	≤1436kg	≤1183kg
Protection degree	IP54	IP20	IP20	IP20

Balancing methods

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

BMS parameters on LCD

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

Protection

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

Certificate

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