

ATESS BC75/100

ATESS BR75/100/138/145



LEADING - EDGE TECHNOLOGY

Overview

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

Features



Easy installation and maintenance

Local and remote management, standard rack & module design, front maintenance



High density

LFP high-capacity Li-Ion battery with aluminum shell, over 130wh/kg



Safety first

Self-developed 3-level BMS, complex protection, safe and reliable



Long lifespan

Long cycle life, 6000 cycles *

Note: at specific test condition

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Datasheet

ATESS BC75 **ATESS BR75** ATESS BC100 ATESS BR100 ATESS BR138 ATESS BR145

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
Max. charge/discharge	1C	1C	1C	1C
AC internal resistance	≤10mΩ	≤10mΩ	≤10mΩ	≤10mΩ
Dimension (W/H/D)mm	360/300/515	360/300/515	360/300/515	360/300/515
Weight	≤65kg	≤65kg	≤65kg	≤65kg

Battery cabinet/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
Max. charge/discharge	1C	1C	1C	1C
AC internal resistance	≤100mΩ	≤140mΩ	≤180mΩ	≤190mΩ
Display	7"Touch screen	7"Touch screen	7"Touch screen	7"Touch screen
BMS	Included	Included	Included	Included
Communication	RS485/CAN	RS485/CAN	RS485/CAN	RS485/CAN
Dimension (W/H/D)mm	1310/2150/850	1119/1548/586	1310/2150/950	1119/1888/586
Weight	≤1060kg	≤780kg	≤1340kg	≤1050kg
Protection degree	IP54	IP20	IP54	IP20
			1486/1888/586	1486/1888/586
			≤1710kg	≤1775kg
			IP20	IP20

BMS parameters on LCD

Cell voltage	Yes	Yes	Yes	Yes
Cell high voltage	Yes	Yes	Yes	Yes
Cell low voltage	Yes	Yes	Yes	Yes
Cell temperature	Yes	Yes	Yes	Yes
Charge and discharge current	Yes	Yes	Yes	Yes
Total battery voltage	Yes	Yes	Yes	Yes
Battery SOC	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 discharge protection	Yes	Yes	Yes	Yes
Cell over voltage protection	Yes	Yes	Yes	Yes
Cell under voltage protection	Yes	Yes	Yes	Yes
Over temperature protection	Yes	Yes	Yes	Yes

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