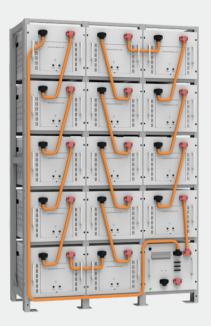


ATESS BC75/100 ATESS BR75/100/138/145





LEADING - EDGE TECHNOLOGY

Overview

Outdoor battery cabinet with IP54 protection level, indoor battery rack with IP20 protection level, inbuild 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

Shenzhen Atess Power Technology Co.,Ltd

1st Floor of Building 3 at Sector B and 3rd Floor of Building 9, Henglong Industrial Park, No.4 Industrial Zone, Shuitian Community, Shiyan Street, Baoan District, Shenzhen

Datasheet

Configuration 1252P 1		ATESS BC75 ATESS BR75	ATESS BC100 ATESS BR100	ATESS BR138	ATESS BR145
Rated capacity 200Ah 200Ah 200Ah 200Ah 200Ah 200Ah 200Ah 7,68Wh 38,44 38,44 38,44 38,44 38,44 38,44 7,68Wh 7,68Wh 7,68Wh 7,68Wh 7,68Wh 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 33,643,89 36,030,01515	attery module specification				
Rated energy 7,68kWh 7,68kWh 7,68kWh 7,68kWh 38,4V 38,4V 38,4V 38,4V 38,4V 38,4V 38,4V 38,4H 31,6H 38,4H 31,6H	Configuration	12S2P	12S2P	12S2P	12S2P
Rated voltage	Rated capacity	200Ah	200Ah	200Ah	200Ah
Voltage ange 33.6-13.8V 35.6-13.8V 36.03.900515 36.03.900512 36.03.900512 36.03.900512 36	Rated energy	7.68kWh	7.68kWh	7.68kWh	7.68kWh
Rated charge/discharige DC LC L	Rated voltage	38.4V	38.4V	38.4V	38.4V
Max. charge/discharge	Voltage range	33.6-43.8V	33.6-43.8V	33.6-43.8V	33.6-43.8V
AC Internal resistance	Rated charge/discharge	0.5C	0.5C	0.5C	0.5C
Dimension (W/HO/Dmm	Max. charge/discharge	1C	1C	1C	1C
New New	AC internal resistance	≤10mΩ	≤10mΩ	≤10mΩ	≤10mΩ
Interv cabinet/rack specification 10 battery modules+1 BPU 14 battery modules+1 BPU 18 battery modules+1 BPU 19 battery modules+1 BPU 10 battery modules+1 BPU 200Ah 200Ah 200Ah 200Ah 200Ah 200Ah 200Ah 200Ah 1200Ah 200Ah 1200Ah 1200Ah 140 BB 10 Battery modules+1 BPU 10 battery modules +1 BPU 10 battery modules	Dimension (W/H/D)mm	360/300/515	360/300/515	360/300/515	360/300/515
Configuration 10 battery modules +1 BPU 14 battery modules +1 BPU 18 battery modules +1 BPU 19 battery modules +1 BPU 200Ah 2	Weight	≤65kg	≤65kg	≤65kg	≤65kg
Rated capacity 200Ah 200Ah 200Ah 200Ah 200Ah 200Ah Rated energy 76.8kWh 107.52klWh 138.24kWh 145.92kWh Rated voltage 384V 537.6V 691.2V 72.96V Voltage range 36.4V-388V 470.4V-613.2V 608.8V-76.8KW 638.4V-832.2V Rated charge/discharge 0.5C 0	attery cabinet/rack specifica	tion —			
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 1 C 1 C 1 C 1 C 1 C AC internal resistance ≤ 100 mΩ ≤ 140 mΩ ≤ 180 mΩ ≤ 190 mΩ ≤ 190 mΩ Dipslay 7°Touch screen 7°Touch screen 7°Touch screen 7°Touch screen 7°Touch screen 9°Touch screen 9°Touch screen 1°Touch screen 1°Tou	Configuration	10 battery modules +1 BPU	14 battery modules +1 BPU	18 battery modules +1 BPU	19 battery modules +1 l
Rated voltage 384√ 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 0.5C 0.5C Max. charge/discharge 1 C <td>Rated capacity</td> <td>200Ah</td> <td>200Ah</td> <td>200Ah</td> <td>200Ah</td>	Rated capacity	200Ah	200Ah	200Ah	200Ah
Voltage range 336V 438V 470.4V-613.2V 604.8V-766.8V 638.4V-832.2V Rated charge/discharge 0.5	Rated energy	76.8kWh	107.52kWh	138.24kWh	145.92kWh
Rated charge/discharge 0.5C 0.	Rated voltage	384V	537.6V	691.2V	729.6V
Max. charge/discharge 1C 1C 1C 1C 1C AC internal resistance ≤100 mΩ ≤140 mΩ ≤180 mΩ ≤190 mΩ ≤190 mΩ Display 7"Touch screen 7"Touch screen 7"Touch screen 7"Touch screen 7"Touch screen BMS Included Included Included Included Included Included Medida RS485/CAN RS485/	Voltage range	336V-438V	470.4V-613.2V	604.8V-766.8V	638.4V-832.2V
AC internal resistance ≤100 mΩ ≤140 mΩ ≤180 mΩ ≤180 mΩ ≤190 mΩ Display 7"Touch screen 7"Touch screen 7"Touch screen 7"Touch screen 7"Touch screen BMS Included Included Included Included Included Included Communication RS-485/CAN RS-485/	Rated charge/discharge	0.5C	0.5C	0.5C	0.5C
Display 7°Touch screen 1°Touch scree	Max. charge/discharge	1C	1C	1C	1C
Display	AC internal resistance	<100mO	<140mΩ	<180mO	<190mΩ
BMS					
Communication R5485/CAN R5485/CAN R5485/CAN R5485/CAN Dimension (W/H/D)mm 1310/2150/880 1119/1760/515 1304/160/515 1504/1760/515 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
Dimension (W/H/D)mm 1310/2150/880 1119/1760/515 1304/1760/515 1504/1760/516 1504/1760/516 1504/1760/516 1504/1760/516 1504/1760/516 1504/1760/516 1504/1760/516 1504/1760/516 1705/51 1606/51 1606/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 1705/51 <					
Weight ≤1060kg ≤780kg ≤1340kg ≤1050kg ≤1710kg ≤1775kg Protection degree IP54 IP20 IP54 IP20 IP20 AS parameters on LCD Cell 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 Over current protection Yes Yes Yes Yes Over charge protection Yes Yes Yes Yes Over charge protection Yes Yes Yes Yes Cell over voltage protection Yes Yes Yes Yes					
Protection degree IP54 IP20 IP54 IP20 IP20 IP20 IP20 IP20 Als parameters on LCD Cell voltage Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye					
Cell voltage Yes Yes Yes Yes Yes Yes Yes Cell lingh voltage Yes Yes Yes Yes Yes Yes Yes Cell tow voltage Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye					
Cell voltage Yes Yes Yes Cell high voltage Yes Yes Yes Cell low voltage Yes Yes Yes Cell temperature Yes Yes Yes Charge and discharge current Yes Yes Yes Total battery voltage Yes Yes Yes Battery SOC Yes Yes Yes Fault warning Yes Yes Yes Ves Yes Yes Yes Over ctricuit protection Yes Yes Yes Over current protection Yes Yes Yes Over charge protection Yes Yes Yes Over discharge protection Yes Yes Yes Cell over voltage protection Yes Yes Yes Cell under voltage protection Yes Yes Yes		IF34 IF20	IF34 IF20	IF 2U	IF2U
Cell low voltage Yes Yes Yes Cell temperature Yes Yes Yes Charge and discharge current Yes Yes Yes Total battery voltage Yes Yes Yes Yes Battery SOC Yes Yes Yes Yes Yes Fault warning Yes Yes Yes Yes Overction Yes Yes Yes Yes Over current protection Yes Yes Yes Yes Over darge 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	•	Yes	Yes	Yes	Yes
Cell temperature Yes Yes Yes Yes Yes Yes Charge and discharge current Yes Yes Yes Yes Yes Total battery voltage Yes Yes Yes Yes Yes Yes Battery SOC Yes Yes Yes Yes Yes Yes Yes Fault warning Yes Yes Yes Yes Yes Yes Over current protection Yes Yes Yes Yes Yes Yes Yes Over current protection Yes Yes Yes Yes Yes Yes Yes Over charge protection Yes Yes Yes Yes Yes Yes Yes Yes Over discharge protection Yes Yes Yes Yes Yes Yes Yes Over discharge protection Yes Yes Yes Yes Yes Yes Yes Cell over voltage protection Yes Yes Yes Yes Yes Yes Yes Yes Cell under voltage protection Yes Yes Yes Yes Yes Yes Yes	Cell high voltage	Yes	Yes	Yes	Yes
Charge and discharge current Yes Yes Yes Yes Yes Yes Yes Attery SOC Yes Fault warning Yes	Cell low voltage	Yes	Yes	Yes	Yes
Charge and discharge current Yes Yes Yes Yes Yes Yes Yes Yes Pattery SOC Yes	Cell temperature	Yes	Yes	Yes	Yes
Total battery voltage Yes Yes Yes Yes Yes Yes Yes Fault warning Yes	•				
Battery SOC Yes Yes Yes Yes Yes Yes Yes Yes Otection Short circuit protection Yes Yes Yes Yes Yes Yes Yes Yes Over current protection Yes Yes Yes Yes Yes Yes Yes Over charge protection Yes Yes Yes Yes Yes Yes Yes Cell over voltage protection Yes Yes Yes Yes Yes Yes Yes Cell under voltage protection Yes					
Fault warning Yes Yes Yes Yes Yes Yes Otection Short circuit protection Yes Yes Yes Yes Yes Yes Yes Yes Yes Over current protection Yes Yes Yes Yes Yes Yes Yes Yes Yes Over charge protection Yes Yes Yes Yes Yes Yes Yes Cell over voltage protection Yes					
Short circuit protection Yes Yes Yes Yes Yes Yes Over current protection Yes Yes Yes Yes Yes Yes Over current protection Yes Yes Yes Yes Yes Yes Over charge protection Yes Yes Yes Yes Yes Yes Yes Cell over voltage protection Yes					
Short circuit protectionYesYesYesYesOver current protectionYesYesYesYesOver charge protectionYesYesYesYesOver discharge protectionYesYesYesYesCell over voltage protectionYesYesYesYesCell under voltage protectionYesYesYesYes	_	ies	ies	ies	
Over current protectionYesYesYesYesOver charge protectionYesYesYesYesOver discharge protectionYesYesYesYesCell over voltage protectionYesYesYesYesCell under voltage protectionYesYesYesYes		Yes	Yes	Yes	Yes
Over charge protection Yes Yes Yes Over discharge protection Yes Yes Yes Cell over voltage protection Yes Yes Yes Cell under voltage protection Yes Yes Yes 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	·				
Cell over voltage protection Yes Yes Yes Yes Cell under voltage protection Yes Yes Yes Yes					
Cell under voltage protection Yes Yes Yes Yes					