

# ATESS BC45



## LEADING - EDGE TECHNOLOGY

- ▶ **Safety first**  
Self-developed 3-level BMS, complex protection, safe and reliable
- ▶ **Easy installation and maintenance**  
Local and remote management, standard rack & module design, front maintenance
- ▶ **Long lifespan**  
Long cycle life, 6000 cycles \*
- ▶ **High density**  
LFP high-capacity Li-Ion battery with aluminum shell, over 130wh/kg

Note: at specific test condition

## Battery module specification

Configuration	12S1P
Rated Capacity	100Ah
Rated energy	3.84kWh
Rated Voltage	38.4V
Voltage range	33.6-43.8V
Nominal charge/discharge	0.5C
Max charge/discharge	1C
AC internal resistance	$\leq 10\text{m}\Omega$
Dimension (W/H/D)	800/2150/1300mm
Weight	$\leq 35\text{kg}$

## Battery cabinet specification

Configuration	12 battery modules +1 BPU
Rated Capacity	100Ah
Rated energy	46.08kWh
Rated Voltage	460.8V
Voltage range	403.2V-525.6V
Nominal charge/discharge	0.5C
Max charge/discharge	1C
AC internal resistance	$\leq 180\text{m}\Omega$
Display	Touch screen
BMS	Included

## BMS parameters on LCD

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

## Protection

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