

BCL200J BCL250J BCL350J BCL400J



LEADING - EDGE TECHNOLOGY

Overview

Outdoor battery cabinet with IP55 protection level, inbuild lithium-ion battery and BMS.

Features

- ▶ **Safety first**
Intelligent 3-level BMS , complex protection, safe and reliable.
- ▶ **Flexible Expansion**
Modular design, simplified parallel expansion.
- ▶ **High density**
LFP high-capacity Li-Ion battery with aluminum shell, over 177.7wh/kg
- ▶ **Liquid cooling method**
Higher heat transfer coefficient than that of air cooling, remove heat more quickly and efficiently.
- ▶ **Long lifespan**
Long cycle life, 6000cycles
*Note: at specific test condition
- ▶ **Efficient**
Optimal in-PACK duct design, achieve high-efficient cooling and low energy consumption.

Shenzhen Ateess Power Technology Co.,Ltd

GROWATT-ATESS Industrial Park, No.23 Zhulongtian Road, Shuitian Community, Shiyan Street, Baoan District, Shenzhen

Datasheet

	BCL200J	BCL250J	BCL350J	BCL400J
Battery module specification				
Configuration	52S1P	52S1P	52S1P	52S1P
Rated capacity	300Ah	300Ah	300Ah	300Ah
Rated energy	49.92kWh	49.92kWh	49.92kWh	49.92kWh
Rated voltage	166.4V	166.4V	166.4V	166.4V
Voltage range	145.6~189.8V	145.6~189.8V	145.6~189.8V	145.6~189.8V
Rated charge/discharge	0.5C	0.5C	0.5C	0.5C
AC internal resistance	≤11.96mΩ	≤11.96mΩ	≤11.96mΩ	≤11.96mΩ
Dimension(W/H/D)mm	800/240/1127	800/240/1127	800/240/1127	800/240/1127
Weight	330kg	330kg	330kg	330kg

Battery rack specification				
Configuration	4 modules + 1 BPU	5 modules + 1 BPU	7 modules + 1 BPU	8 modules + 1 BPU
Rated capacity	300Ah	300Ah	300Ah	300Ah
Rated energy	199.68kWh	249.6kWh	349.44kWh	399.36kWh
Rated voltage	665.6V	832V	1164.8V	1331.2V
Voltage range	582.4~748.8V	728~936V	1019.2~1310.4V	1164.8~1497.6V
Rated charge/discharge	0.5C	0.5C	0.5C	0.5C
AC internal resistance	≤47.48mΩ	≤59.8mΩ	≤83.72mΩ	≤95.68mΩ
BMS	Included	Included	Included	Included
Communication	CAN	CAN	CAN	CAN
Monitoring	RS485	RS485	RS485	RS485
Dimension(W/H/D)mm	1313/2400/1300	1313/2400/1300	1313/2400/1300	1313/2400/1300
Weight	2330kg	2660kg	3320kg	3650kg
Protection degree	IP55	IP55	IP55	IP55

BMS parameters on LCD				
Cell voltage	Yes	Yes	Yes	Yes
Cell hight 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, UL9540A,UL1793 , UN38.3, IEC62619, IEC62477-1I, FCC, IEC63056 , MSDS, ROHS				