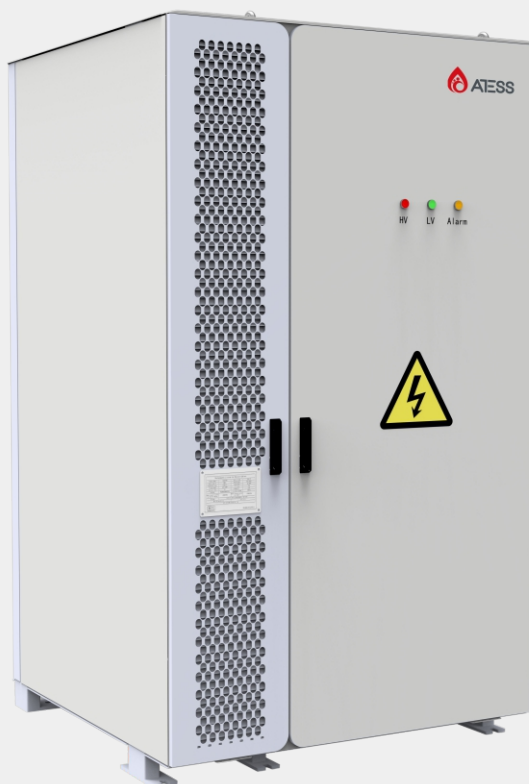


Y52C04-00 Y52C07-00 Y52C08-00



LEADING - EDGE TECHNOLOGY

Overview

Outdoor battery cabinet with IP54 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 170wh/kg
- ▶ **Liquid cooling method**
Higher heat transfer coefficient than that of air cooling, remove heat more quickly and efficiently.
- ▶ **Long lifespan**
Long cycle life, 6000 cycles
*Note: at specific test condition
- ▶ **Efficient**
Optimal in-PACK duct design, achieve high-efficient cooling and low energy consumption.

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Datasheet

	Y52C04-00	Y52C07-00	Y52C08-00
Battery module specification			
Configuration	52S1P	52S1P	52S1P
Rated capacity	280Ah	280Ah	280Ah
Rated energy	46.592kWh	46.592kWh	46.592kWh
Rated voltage	166.4V	166.4V	166.4V
Voltage range	145.6~187.2V	145.6~187.2V	145.6~187.2V
Rated charge/discharge	0.5C	0.5C	0.5C
AC internal resistance	≤31.2mΩ	≤31.2mΩ	≤31.2mΩ
Dimension(W/H/D)mm	810/231/1129	810/231/1129	810/231/1129
Weight	330kg	330kg	330kg

Battery rack specification			
Configuration	4 modules + 1 BPU	7 modules + 1 BPU	8 modules + 1 BPU
Rated capacity	280Ah	280Ah	280Ah
Rated energy	186.36kWh	326.14kWh	372.7kWh
Rated voltage	665.6V	1164.8V	1331.2V
Voltage range	582.4~748.8V	1019.2~1310.4V	1164.8~1497.6V
Rated charge/discharge	0.5C	0.5C	0.5C
AC internal resistance	≤124.8mΩ	≤218.4mΩ	≤249.6mΩ
BMS	Included	Included	Included
Communication	CAN	CAN	CAN
Monitoring	RS485	RS485	RS485
Dimension(W/H/D)mm	1300/2316/1300	1300/2316/1300	1300/2316/1300
Weight	2000kg	2990kg	3500kg
Protection degree	IP54	IP54	IP54

BMS parameters on LCD			
Cell voltage	Yes	Yes	Yes
Cell hight 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

Protection			
Short circuit 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
Over temperature protection	Yes	Yes	Yes

Certificate			
CE, UL9540A,UL1793 , UN38.3, IEC62619,IEC63056 , MSDS, ROHS			