

High Voltage All-In-One Battery



Model:

ZL-AIO-TP3-10.0

ZL-AIO-TP3-15.0

ZL-AIO-TP3-20.0



Safety

- LFP safe technology
- High quality Battery cell inside
- Modular design with simple cable connections



Compatibility&Reliable

- Integrated with Hybrid Inverters
- Better Inner Structure Design



Intelligent

- High Voltage Smart BMS control
- Power output smartly and effectively

Technical Datasheet

	Battery module	ZL-AIO-TP3-10.0	ZL-SGM-TP3-15.0	ZL-AIO-TP3-20.0
System Data	Cell type	LiFePO4		
	Module quantity	3	3	4
	Nominal energy ¹	10.24 kWh	15.36 kWh	20.48 kWh
	Usable energy ²	9.21 kWh	13.82 kWh	18.43 kWh
	Nominal voltage	204.8 V	307.2 V	409.6V
	Operating voltage	179.2 V ~ 224.64 V	268.8 V ~ 339.96 V	358.4 V ~ 449.28 V
	Nominal charging / discharging current	25 A		
	Max. charging / discharging current	50 A		
	General Data	Dimensions (W/D/H)	753/216/1645mm	753/216/1645mm
Weight		~185kg	~225kg	260 kg
Battery module weight		~64 kg	~80 kg	~53 kg
Installation location		Indoor		
Mounting method		Floor mounted		
Operating temperature range		Charge: 0 ~ 55 °C Discharge: -20 °C ~ 55 °C		
Storage temperature range		-20 °C ~ 45 °C		
Cooling concept		Natural convection		
Degree of protection		IP56		
Relative humidity		5~95 %, non-condensing		
Communication		RS485 / CAN		
Certification		CE/ROHS/ UN38.3		
Life time@25		6000 times		

1. Nominal energy is defined under the following conditions: cell voltage 2.0 ~ 3.65 V, 1C charge & discharge at +25 °C.

2. Usable energy is defined under the following conditions: 90 % DOD, 1C charge & discharge at +25 °C.

Usable energy may vary depending on discharge, charge, environmental conditions and SOC % limits defined by the user.

3. Life cycle is defined under the following conditions: 80 % DOD, 0.2C charge & discharge at +25 °C.

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