ZHIGUANG

Zhiguang Digital All Liquid Cooling industrial and Commercial Energy Storage System (110kW/233kWh)

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Features

- Ultimate modularity and standardized design
- PACK and PCS dual channel liquid cooling
- Flexible layout combination, can be shoulder to shoulder, back to back, 20 foot combination 3.13 megawatt hours
- BMS、PACK、Cabinet, three-level safety inspection and big data analysis warning
- Battery, PACK, and cabinet three-level pressure relief explosion-proof
- Networked, EMS energy management, and cloud based big data lifecycle management based on the 5S fully digital concept

Basic	
Configuration	IP260S
Number of Pack	5
Short-circuit current	12.2kA
Electrical	
Rated charging Current	140A
Max. Charging Current	160A, lasts 1minute
Nominal Capacity	233KWH
Voltage Range	728~949V
Nominal Voltage	832V
Max. continuous current	140A
Rated Power	100kW(0.5P)
Auxiliary Power	
Cooling Unit Power	Cooling:8KW;
Voltage range	176-264V
BMS Power	60W
System	
Anticorrosion	C5
IP rating	Battery:IP66,Control:IP65,NEMA 3R
Power connection	Fast Plug
Grounding Mode	≤ 4Ω, Meet the Local Scope Requirements
Cooling Mode	Liquid Cooling
Storage Environment Temperature	-30~60℃
Operating Environment Temperature	25~55℃
Environment Humidity	RH≤95%（Non-Condensing）
Altitude Requirements	< 4000m(> 3000m Derating)
Dimension	1500*1000*2300mm
Weight	3000kg
Color	RAL7035
PCS	
Basic	
Rated Power	100kVA
Overload Capability	Constant Operation@110%, 1min@120%
Efficiency	99%
Power Response time	<20ms
Charge/Discharge Switching Time	<50ms
Operating Environment Temperature	-40 ~ +40℃(>35℃ Derating)
Installation	Wall Mounted
IP rating	IP66
Cooling Mode	Liquid Cooling
Isolation Method	Non-Isolated
DC side	
Max. Voltage	1000V
Operating Voltage Range	600~1000V
Full Load Operating Voltage Range	600 ~ 1000V
AC side	
Rated Voltage	380V
Rated Current	145A
Max. Long-Term Operating Current	173A
Voltage Range	±15%
Frequency	50/60Hz±5Hz
Total Current Harmonics	< 3%
Communication	
Communications Interface	Wireless 4G/5G/RJ45/RS485
Communications Protocol	Modbus-RTU/Modbus-TCP

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