HV Stacking All in One ESS

YF-LFP-HVS Series

aurora OPTOELECTRONIC



Features

- **BMS** — Advanced Cell Balancing
- ≥8000 Cycles
- Support remote OTA upgrade and remote maintenance.
- Self-developed 2-level/3-level BMS Multiple Protection, Safe And Reliable
- Local and remote management, standardrack&module design, front maintenance
- Full-time balancing technology ensures battery consistency and extends service life

Datasheet

Model	YF-LFP-HVS-9	YF-LFP-HVS-14
Battery Type	LiFePO4	
Module Energy	16kWh	
Single Module Nominal Voltage	51.2V	
Module Capacity	314Ah	
Number of Battery Modules (Optional)	9	14
System Energy	144.691 kWh	225.075 kWh
System Nominal Voltage	460.8 V	716.8 V
System Operating Voltage	432—518.4V	672—806.4V
Scalability	Max.7 PCS in Parallel(1575.5 kWh)	
Max.continuous charge/Discharge current	160A	
Peak Charge/Discharge Current(@2s)	190A	
Depth of Discharge(DOD)	90%	
Display type	LCD(Touch)	
Protection Level	IP21	
Operating Temperature Range(Charge)	0°C ~ +50°C	
Operating Temperature Range(Discharge)	-5°C ~ +50°C	
Storage Temperature Range(One month)	-10°C ~ +45°C	
Storage Temperature Range(Six months)	-10°C ~ +35°C	
Humidity	20%~95%(No condensation)	
Altitude	≤2000m	
Cycle Life	≥8000 Cycles	
Cooling Method	Natural cooling	
Installation	Rack-Mounting	
Protection	Built-in smart BMS； Breaker	
Communication Port	CAN	
Warranty Period	Ten years(0.5C charge/Discharge @25°C， 80% DOD)	

***Test conditions: 0.5C charge/discharge, @25°C, 80% DOD; product specifications are subject to change without prior notice.**

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