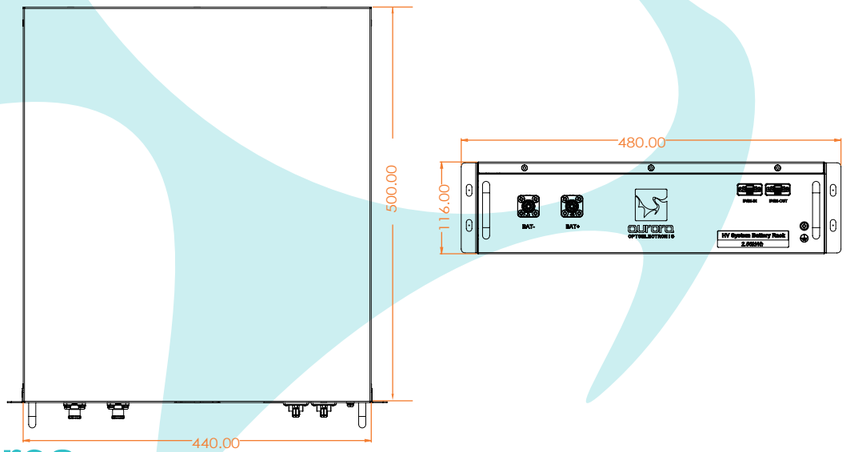
High-voltage Energy Storage Battery
YF-LFP-HV Series

aurora OPTOELECTRONIC





Features

- **BMS** — Multiple Protection: Built-in smart BMS.
- Higher safe performance and longer cycle life.
- Wide Compatibility: Compatible with leading inverter brands.
- High Scalability.
- Flexible Installation: Stack-Mounted.
- Full-time balancing technology ensures battery consistency and extends service life

Datasheet

Model	YF-LFP-HV2.6K-2	YF-LFP-HV2.6K-3	YF-LFP-HV2.6K-4	YF-LFP-HV2.6K-5	YF-LFP-HV2.6K-6	YF-LFP-HV2.6K-7	YF-LFP-HV2.6K-8
Battery Type	LiFePO4						
Module Energy	2.6kWh						
Single Module Nominal Voltage	51.2V						
Module Capacity	50Ah						
Number of Battery Modules (Optional)	2	3	4	5	6	7	8
System Energy	5.2 kWh	7.8 kWh	10.4 kWh	13 kWh	15.6 kWh	18.2 kWh	20.8 kWh
System Nominal Voltage	102.4 V	153.6 V	204.8V	256V	307.2V	358.4V	409.6V
System Operating Voltage	89.6-113.6V	134.4—170.4V	179.2—227.2V	224—284V	268.8—340.8V	313.6—397.6V	358.4—454.4V
Scalability	Max.7 PCS in Parallel(145.6kWh)						
Recommend Charge/Discharge current	50A						
Peak Charge/Discharge Current(@2s)	60A						
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	≤3000m						
Cycle Life	≥5000 Cycles						
Cooling Method	Natural cooling						
Installation	Rack-Mounting						
Protection	Built-in smart BMS; Breaker						
Communication Port	CAN/RS485						
Warranty Period	Five years(0.5C charge/Discharge @25°C， 80% DOD)						
Weight(Kg)	54	81	108	135	162	189	216
Dimesions(L*W*H)(mm)	440*500*232	440*500*348	440*500*464	440*500*580	440*500*696	440*500*812	440*500*928

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