



SEG4896/SEG51296

Rack mounted HESS battery system

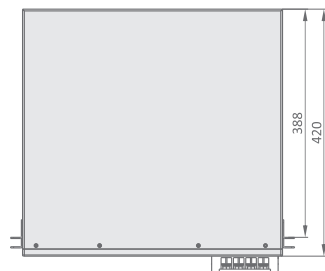
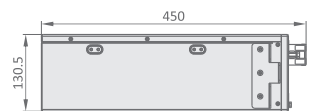
SEG4896 and SEG51296 are a light 48V LiFePO4 battery module with high energy density which supports 19-inch rack installation. It has a long-service life and it supports fast charge/discharge.

Battery Management System (BMS)

Easy communicate with most major inverters

It adopts advanced intelligent BMS with alarm and protection functions such as overcharge/discharge, max current control, thermal runaway control, etc. It can also record the voltage, current and regular operating data.

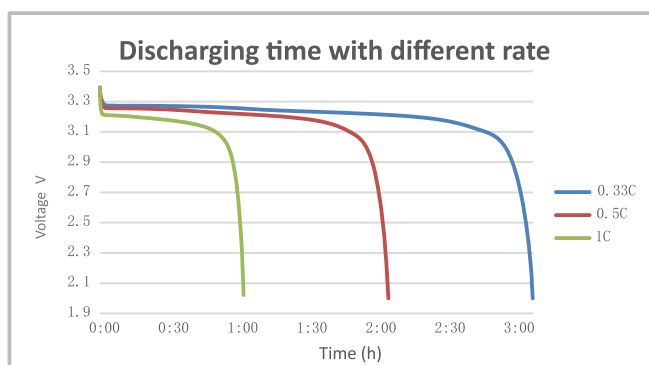
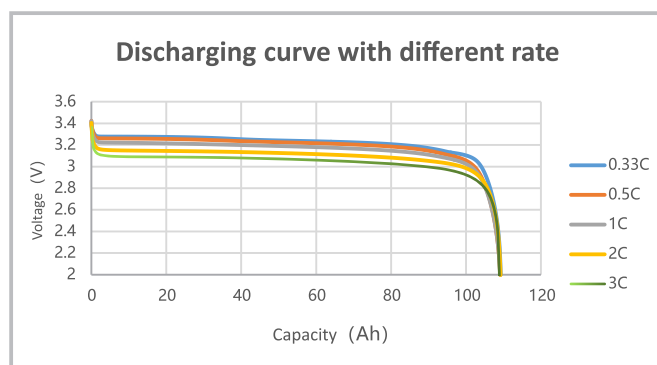
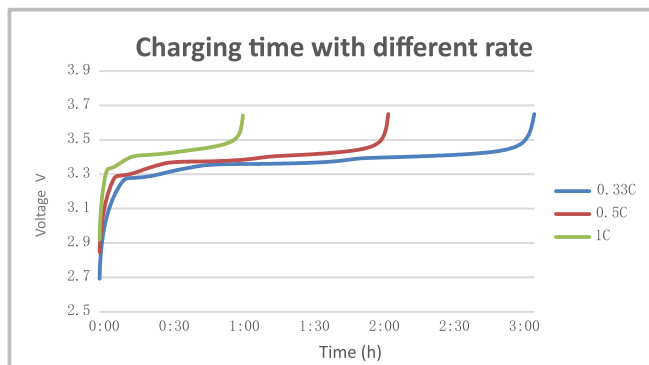
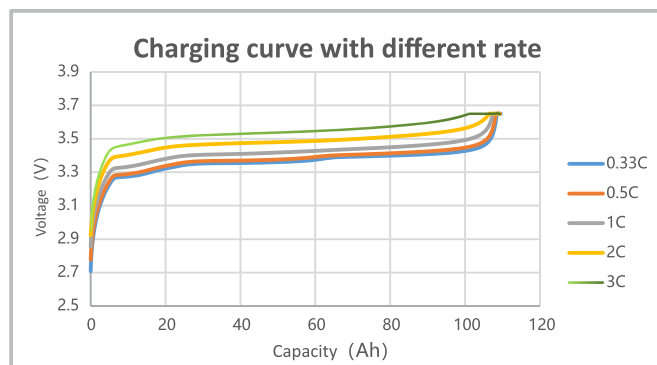
- Excellent performance in harsh conditions
- Protection functions of voltage, current & temperature
- Easy O&M
- 15 years design life
- Applications:
 - Backup power supply for telecommunications
 - Renewable energy on-grid/off-grid/hybrid system
 - UPS
 - Others



Specifications & Parameters

Parameters		
Items	SEG4896 48V96Ah	SEG51296 51.2V96Ah
Cell Combination	1P15S	1P16S
Rated Capacity	96Ah @ 25°C	96Ah @ 25°C
Rated Energy	4608Wh	4915Wh
Width × Depth × Height	442mm × 420mm × 130.5mm	442mm × 420mm × 130.5mm
Weight	42kg ± 2kg	44kg ± 2kg
Operating Voltage Range	40.5V ~ 54.75V	43.2V ~ 58.4V
Max Charge/Discharge Current (Continuous)	96A / 96A	96A / 96A
Cycle Life	6000 times @0.5C, 80% DOD	6000 times @0.5C, 80% DOD
Charge Temperature Range	0°C ~ 55°C	0°C ~ 55°C
Discharge Temperature Range	-20°C ~ 60°C	-20°C ~ 60°C
Optimal Storage Temperature	0°C ~ 30°C	0°C ~ 30°C
Communication Interface	RS232 / RS485	RS232 / Rs485
Protection Class	IP20	
Self-Discharge Rate@25°C	< 3% / month	
Other Function	Current Limiter / Data logger / Cell balancing / Software lock	
Options	LCD screen / Anti-theft / Terminal size / Dry contact	
Communication In Parallel	15 modules in parallel maximum	

Performance curves



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All product outward appearance, the color take the material object as, the picture only supply the reference.

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