

Rack-mounted LFP Battery BF-5.12~25.6kWh-X-H



MAIN FEATURES

- Top brand LiFePo4 cells(BYD/EVE)
- High capacity, minor size and light weight
- Long life cycles(>6000)
- 5 years cells warranty and 10+ years life time
- Large discharge current, suitable for solar system
- Modular design with BMS each and HV set equipped with extra MCM
- RS485/CAN, Compatible with most hybrid inverters on sale
- Wall-mounted or rack-mounted, Easy to install and extend capacity



| TECHNICAL PARAMETER | | | | | | | | | |
|---------------------------------|--|----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| MODEL | BF-5.12kWh-2-H | BF-7.68kWh-3-H | BF-10.24kWh-4-H | BF-12.8kWh-5-H | BF-15.36kWh-6-H | BF-17.92kWh-7-H | BF-20.48kWh-8-H | BF-23.04kWh-9-H | BF-25.6kWh-10-H |
| SPECIFICATION | | | | | | | | | |
| System Demo | | | | | | | | | |
| Battery Type | LiFePO4 | | | | | | | | |
| Battery Module | 51.2V 50Ah | | | | | | | | |
| Number of Module | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | 5.12kWh | 7.68kWh | 10.24kWh | 12.8kWh | 15.36kWh | 17.92kWh | 20.48kWh | 23.04kWh | 25.6kWh |
| Normal Voltage | 102.4VDC | 153.6VDC | 204.8VDC | 256.0VDC | 307.2VDC | 358.4VDC | 409.6VDC | 460.8VDC | 512.0VDC |
| Operating Voltage | 89.6~116.8VDC | 134.4~175.2VDC | 179.2~233.6VDC | 224.0~292.0VDC | 268.8~350.4VDC | 313.6~408.8VDC | 358.4~467.2VDC | 403.2~525.6VDC | 448.0~584.0VDC |
| Dimension (W/D/H) | 479*192*596mm | 479*192*763mm | 479*192*930mm | 479*192*1097mm | 479*192*1264mm | 479*192*1431mm | 479*192*1598mm | 479*192*1765mm | 479*192*1932mm |
| Weight (NW) | 92kg | 125kg | 158kg | 191kg | 224kg | 257kg | 290kg | 323kg | 356kg |
| Normal Charge/Discharge Current | 25A | | | | | | | | |
| Max.Charge/Discharge Current | 50A | | | | | | | | |
| Cycle Life(+25°C 0.2C 90%DOD) | 6000 Cycles | | | | | | | | |
| Cell Equalizer Current | 1~5A Max. | | | | | | | | |
| Terminal | Double M6 | | | | | | | | |
| Storage Temperature | 0°C ~ 30°C | | | | | | | | |
| Storage Time | 6 months at 25°C | | | | | | | | |
| Safety Certification | UN38.3,MSDS,CE | | | | | | | | |
| Enclosure Protection Rating | IP65 | | | | | | | | |
| Communication Function | RS485/CAN | | | | | | | | |
| PROTECTION | | | | | | | | | |
| Protection | Overcharge protection Overdischarge protection Overcurrent protection Shortcircuit protection Overtemperature protection | | | | | | | | |
| AMBIENT | | | | | | | | | |
| Noise | < 40dB (1 meter) | | | | | | | | |
| Working Temperature | -10°C~+50°C | | | | | | | | |
| Humidity | 0~95% (no condensation) | | | | | | | | |
| Altitude | <1500m | | | | | | | | |