

DATA CENTER ENERGY STORAGE SERIES

COSPOWERS

5-15mins



- 1 Good high-temperature performance, no need for air conditioning cooling below 40°C, saves energy.
- 2 The PACK module is designed with a modular standard, allowing for flexible combinations and easy maintenance.
- 3 It has a long cycle life, with 3000 cycles at 0.5C/0.5C, 80% DOD, at 25°C.
- 4 The touch LCD provides an intuitive display of various parameters, records, status, and alarms.
- 5 It supports parallel operation of multiple units and cabinet-level fire protection.
- 6 It supports two-line design to meet the requirements of UPS models.
- 7 It features a three-level BMS management system, ensuring the safe and reliable operation of the system from the cell level to the system level.
- 8 It has a high energy density, saving 70% of the floor space compared to lead-acid batteries.

Product parameters

| Product model | CF24050U | CF48050U | CF486100U | CF512100U |
|-------------------------------|--|------------------------------|------------------------------|------------------------------|
| Cell material | LFP | | | |
| Nominal voltage | 240Vdc | 480Vdc | 486.4Vdc | 512Vdc |
| Rated charging voltage | 262.5Vdc | 525Vdc | 532Vdc | 560Vdc |
| Nominal capacity | 50Ah/12kWh | 50Ah/24kWh | 100Ah/48.64kWh | 100Ah/51.2kWh |
| Self-discharge rate | ≤3% (0~30℃/3 months) | | | |
| Standard discharge current | 50AContinuous discharge(1C) | 50AContinuous discharge(1C) | 100AContinuous discharge(1C) | 100AContinuous discharge(1C) |
| Maximum discharge current | 300AContinuous discharge(6C) | 300AContinuous discharge(6C) | 600AContinuous discharge(6C) | 600AContinuous discharge(6C) |
| Standard charging current | 25A(0.5C) | 25A(0.5C) | 50A(0.5C) | 50A(0.5C) |
| Maximum charging current | 50A(1C) | 50A(1C) | 100A(1C) | 100A(1C) |
| Cycle life | 3000 times @80%DOD, 0.5C/0.5C | | | |
| Communication interface | CAN; RS485; Dry contact | | | |
| Protection functions | Over-temperature, over-current, short circuit, over-charging, over-discharging, etc. | | | |
| Dimensions (W*D*H) | 600*800*1400mm | 600*800*2000mm | 600*800*2200mm | 600*800*2200mm |
| Certifications | UN | | | |
| Environment | | | | |
| Storage temperature | 0~40℃ | | | |
| Operating temperature | 15~45℃ （Recommended operating temperature: 20-25℃） | | | |
| Relative humidity | 5~95% | | | |
| Altitude | ≤2000m | | | |
| Cell Specifications | | | | |
| Nominal capacity | 50Ah | 50Ah | 50Ah | 50Ah |
| Nominal voltage | 3.2Vdc | 3.2Vdc | 3.2Vdc | 3.2Vdc |
| Working voltage range | 2.5~3.6Vdc | 2.5~3.6Vdc | 2.5~3.6Vdc | 2.5~3.6Vdc |
| Battery Module Specifications | | | | |
| Configuration | 1P15S | 1P15S | 2P20S/2P18S | 2P20S |
| Nominal voltage | 48Vdc | 48Vdc | 64/57.6Vdc | 64Vdc |
| Working voltage range | 42~52.5Vdc | 42~52.5Vdc | 56~70Vdc/50.4~63Vdc | 56~70Vdc |
| Battery Pack Specifications | | | | |
| Configuration | 1P75S | 1P150S | 2P152S | 2P160S |
| Nominal capacity | 50Ah | 50Ah | 100Ah | 100Ah |
| Nominal voltage | 240Vdc | 480Vdc | 486.4Vdc | 512Vdc |
| Working voltage range | 210~262.5Vdc | 420~525Vdc | 425.6~532Vdc | 448~560Vdc |
| Weight | 290Kg | 430Kg | 790Kg | 810Kg |



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