

Application Field:

- Peak-valley arbitrage and backup power for customer-side C&I commercial and industrial energy storage;
- Peak shaving, valley filling, and output smoothing for renewable energy stations (wind and solar);
- Grid-side frequency regulation, peak shaving, and distribution network transformer capacity expansion.



Modular and standardized design



Multi-level protection system



Integrated AC/DC system for efficient installation and commissioning



Intelligent operation and maintenance

| Parameters/ Model | | Celestial Energy-5015-0.5C |
|-------------------------|----------------------------|--|
| DC side Parameters | Cell Capacity | 314Ah-LFP |
| | Module Configuration | 1P104S |
| | Number of Modules per Rack | 4pcs |
| | Number of Battery Racks | 12pcs |
| | Battery System Energy | 5015kWh |
| | Voltage Range | 1144~1497.6V |
| AC side Parameters | Rated AC Power | 12*215kW |
| | Rated Grid Voltage | AC690V |
| | Wiring Configuration | 3W+PE |
| | Rated Grid Frequency | 50/60Hz |
| | Isolation Method | No Isolation Transformer |
| System level Parameters | Operating Temperature | -30~55°C |
| | Ambient Humidity | 0~95% (No Condensation) |
| | Operating Altitude | 2000m |
| | Communication Method | Ethernet, RS485, optional 4G/5G mobile communication |
| | Protection Level | IP54 |
| | Cooling Method | Liquid Cooling |
| | Noise Level | ≤75dB |
| | Fire Protection | Heptafluoropropane/Perfluoroketon Enclosure-level/Aerosol + Water Fire Protection, Combustible Gas Detection, and Explosion-Proof Ventilation System |
| | Dimensions (W*D*H) | 6058*2438*2896mm |
| | Weight | 44t |
| Compliance Standards | Cluster | IEC62619, UL1973, UL9540A, UN38.3 |
| | PCS | UL1741, EN50549, VDE4110, VDE4120, VDE4130, GB/T34120, GB/T36547... |



Cospowers Technology Co., Ltd.

W: WWW.COSPOWERS.COM

A: No.28, Dongqi Road, Dongying City, Shandong Province, P.R.C.

T: +86-546-7768891

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