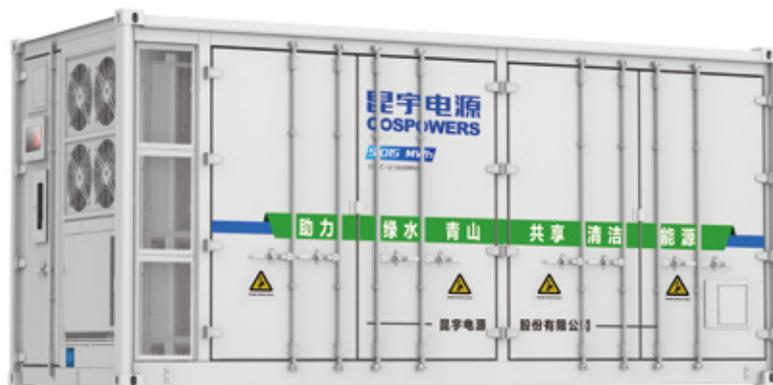


应用领域:

- 用户侧C&I工商业储能的峰谷套利, 后备电源
- 风光新能源电站的削峰填谷平滑输出
- 电网侧调频调峰, 配电网变压器容量扩容



模块化
标准设计



多重
保护系统



交直流一体
安装调试高效



智能运维

| | 参数 / 型号 | Celestial Energy-5015-0.5C |
|-------|-----------|---|
| 直流侧参数 | 电芯容量 | 314Ah-LFP |
| | 模块成组 | 1P104S |
| | 单簇模块数量 | 4pcs |
| | 电池簇数量 | 12pcs |
| | 电池系统电量 | 5015kWh |
| | 电压范围 | 1144~1497.6V |
| 交流侧参数 | 额定交流功率 | 12*215kW |
| | 额定电网电压 | AC690V |
| | 接线方式 | 3W+PE |
| | 额定电网频率 | 50/60Hz |
| | 隔离方式 | 无隔离变压器 |
| 系统级参数 | 工作温度 | -30~55°C |
| | 环境湿度 | 0~95% (无凝露) |
| | 工作海拔 | 2000m |
| | 通讯方式 | 以太网、RS485、可选4G/5G移动通信 |
| | 防护等级 | IP54 |
| | 冷却方式 | 液冷 |
| | 噪音 | ≤75dB |
| | 消防 | 七氟丙烷/全氟己酮舱级/气溶胶+水消防+可燃气体探测+防爆通风系统 |
| | 尺寸(W*D*H) | 6058*2438*2896mm |
| 重量 | 44t | |
| 符合标准 | Cluster | IEC62619、UL1973、UL9540A、UN38.3 |
| | PCS | UL1741、EN50549、VDE4110、VDE4120、VDE4130、GB/T34120、GB/T36547... |



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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... |



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