

# Celestial Energy-2073-0.5C

昆宇电源  
COSPOWERS

## 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-2073-0.5C                 |
|-------|-----------|--|
| 直流侧参数 | 电芯容量      | 100Ah                                      |
|       | 模块成组      | 3P18S                                      |
|       | 单簇模块数量    | 20pcs                                      |
|       | 电池簇数量     | 6pcs                                       |
|       | 电池系统电量    | 2073kWh                                    |
|       | 电压范围      | 1008~1278V                                 |
| 交流侧参数 | 额定交流功率    | 6*200kW                                    |
|       | 额定电网电压    | 690V                                       |
|       | 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      | 风冷   |
|       | 噪音        | ≤65dB                                      |
|       | 消防        | 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        | 24t  |
| 符合标准  | Cluster   | IEC62619、UL1973、UL9540A、UN38.3             |
|       | PCS       | UL1741、EN50549、VDE4110、GB/T34120、GB/T36547 |



昆宇电源股份有限公司

网址: WWW.COSPOWERS.COM

地址: 山东省东营市东营区东七路28号

电话: 0546-7768891

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**COSPOWERS**

## Application Field

- Post-meter electricity market, peak-valley arbitrage and backup power supply of C&I (commercial and industrial) energy storage on the customer side.
- Peak shaving and valley filling for smooth output of wind and solar new energy power stations.
- Grid frequency regulation and peak load regulation in the pre-meter electricity market, as well as capacity expansion of distribution network transformers.



**Modular Standard Design**



**Multiple Protection Systems**



**Efficient Installation and Commissioning of AC/DC Integrated Systems**



**Intelligent Operation and Maintenance**

| Parameters/ Model        |                                   | Celestial Energy-2073-0.5C  |
|--------------------------|-----------------------------------|---|
| DC side parameters       | Cell Capacity                     | 100Ah   |
|                          | Module Structure                  | 3P18S   |
|                          | Module quantity in single cluster | 20pcs   |
|                          | Nos. of Battery Clusters          | 6pcs  |
|                          | Battery system power              | 2073kWh   |
|                          | Voltage Range                     | 1008~1278V  |
| AC side parameters       | Rated grid voltage                | 6*200kW   |
|                          | Wiring Mode                       | 690V  |
|                          | Rated grid frequency              | 3W+PE   |
|                          | Rated AC power                    | 50/60Hz   |
|                          | Isolation mode                    | No isolation transformer  |
| System level parameters  | Operating temperature             | -30~55°C  |
|                          | Ambient Humidity                  | 0~95% (no condensation)   |
|                          | Working Altitude                  | 2000m   |
|                          | Communication method              | Ethernet, RS485, Optional 4G/5G Mobile Communication  |
|                          | Protection level                  | IP54  |
|                          | Cooling Method                    | Air cooling   |
|                          | Noise                             | ≤65dB   |
|                          | Fire protection system            | Heptafluoropropane/Perfluorohexanone compartment level/Aerosol ten water fire protection + combustible gas detection + explosion-proof ventilation system |
|                          | Size(W*D*H)                       | 6058*2438*2896mm  |
| Compliant with Standards | Weight                            | 24t   |
|                          | Cluster                           | IEC62619, UL1973, UL9540A, UN38.3   |
|                          | PCS                               | UL1741, EN50549, VDE4110, 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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