

# PowerTile-CS5000-X-P

## 低压堆栈式储能电源

昆宇电源  
COSPOWERS



- 1 家居化风格，优雅美观
- 2 多种工作模式（光伏优先、市电优先、逆变优先）
- 3 简易安装和维护，即插即用
- 4 自带ISO/Android.App监控
- 5 单个电池5.12kWh，可扩展至20.48KWh
- 6 多重保护及告警系统，安全可靠

| 参数/型号  |             | CS5000-5-P                       | CS5000-10-P   | CS5000-15-P   | CS5000-20-P   |
|--------|-------------|----------------------------------|---------------|---------------|---------------|
| 市电输入参数 | 市电最大充电电流    | 60A                              |               |               |               |
|        | 额定输入电压      | 220/230/240V                     |               |               |               |
|        | 输入电压范围      | UPS市电模式;170~280V；APL发电机模式90~280V |               |               |               |
|        | 频率          | 50/60Hz(自动侦测)                    |               |               |               |
|        | 转换时间（旁路与逆变） | 10ms（典型值）                        |               |               |               |
|        | 最大旁路过载电流    | 40A                              |               |               |               |
| PV输入参数 | MPPT数量      | 1                                |               |               |               |
|        | PV开路电压      | 145V                             |               |               |               |
|        | PV工作电压范围    | 60~145V                          |               |               |               |
|        | MPPT电压范围    | 60~115V                          |               |               |               |
|        | 最大PV输入电流    | 50A                              |               |               |               |
|        | 最大输入功率      | 4400W                            |               |               |               |
| AC输出参数 | 最大PV充电电流    | 80A                              |               |               |               |
|        | 输出电压波形      | 纯正弦波                             |               |               |               |
|        | 输出电压        | 230A（220/240A）                   |               |               |               |
|        | 额定输出功率      | 5000W/VA                         |               |               |               |
| 电池参数   | 输出频率范围      | 50/60Hz±0.3Hz                    |               |               |               |
|        | 额定电压        | 51.2V                            |               |               |               |
|        | 电压范围        | 45~57.6V                         |               |               |               |
|        | 电量          | 5.12kWh                          | 10.24kWh      | 15.36kWh      | 20.48kWh      |
|        | 标准充放电电流     | 0.25C/0.5C                       |               |               |               |
|        | 最大充放电倍率     | 0.5C/1C                          |               |               |               |
| 工作条件   | 电池类型        | 磷酸铁锂                             |               |               |               |
|        | 工作温度范围      | 0~45℃                            |               |               |               |
|        | 存储温度范围      | -15~60℃                          |               |               |               |
|        | 湿度          | 5~95%                            |               |               |               |
|        | 冷却方式        | 风冷                               |               |               |               |
|        | 防护等级        | IP54                             |               |               |               |
|        | 重量          | 80Kg                             | 130Kg         | 180Kg         | 230Kg         |
|        | 尺寸（W*D*H）   | 725*515*350mm                    | 725*515*490mm | 725*515*630mm | 725*515*770mm |
| 其他参数   | 通讯方式        | WIFI/RS485                       |               |               |               |
|        | 认证          | IEC62619、IEC62109、CE-EMC         |               |               |               |



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# PowerTile-CS5000-X-P

**COSPOWERS**

## Low-Voltage Stackable Energy Storage Power Supply



- 1 Homestyle design, elegant and beautiful

2 Multiple working modes (solar priority, utility priority, inverter priority)

3 Easy installation and maintenance, plug and play
- 4 Possess ISO/Android. App to monitor

5 Single battery 5.12kWh, expandable up to 20.48KWh

6 Multiple protection and alarm system, safe and reliable

| Parameters/ Model        |                                    | CS5000-5-P                                              | CS5000-10-P   | CS5000-15-P   | CS5000-20-P   |
|--------------------------|------------------------------------|---------------------------------------------------------|---------------|---------------|---------------|
| Utility Input Parameters | Utility Maximum Charging Current   | 60A                                                     |               |               |               |
|                          | Rated Input Voltage                | 220/230/240V                                            |               |               |               |
|                          | Input Voltage Range                | UPS Utility Mode: 170~280V; APL Generator Mode: 90~280V |               |               |               |
|                          | Frequency                          | 50/60Hz (Auto-Detection)                                |               |               |               |
|                          | Transfer Time (Bypass to Inverter) | 10ms (Typical)                                          |               |               |               |
|                          | Maximum Bypass Overload Current    | 40A                                                     |               |               |               |
| PV Input Parameters      | Number of MPPTs                    | 1                                                       |               |               |               |
|                          | PV Open Circuit Voltage            | 145V                                                    |               |               |               |
|                          | PV Operating Voltage Range         | 60~145V                                                 |               |               |               |
|                          | MPPT Voltage Range                 | 60~115V                                                 |               |               |               |
|                          | Maximum PV Input Current           | 50A                                                     |               |               |               |
|                          | Maximum Input Power                | 4400W                                                   |               |               |               |
| AC Output Parameters     | Maximum PV Charging Current        | 80A                                                     |               |               |               |
|                          | Output Voltage Waveform            | Pure Sine Wave                                          |               |               |               |
|                          | Output Voltage                     | 230A (220/240A)                                         |               |               |               |
|                          | Rated Output Power                 | 5000W/VA                                                |               |               |               |
| Battery Parameters       | Output Frequency Range             | 50/60Hz±0.3Hz                                           |               |               |               |
|                          | Rated Voltage                      | 51.2V                                                   |               |               |               |
|                          | Voltage Range                      | 45~57.6V                                                |               |               |               |
|                          | Energy Capacity                    | 5.12kWh                                                 | 10.24kWh      | 15.36kWh      | 20.48kWh      |
|                          | Standard Charge/Discharge Current  | 0.25C/0.5C                                              |               |               |               |
|                          | Maximum Charge/Discharge Rate      | 0.5C/1C                                                 |               |               |               |
| Operating Conditions     | Battery Type                       | LFP                                                     |               |               |               |
|                          | Operating Temperature Range        | 0~45℃                                                   |               |               |               |
|                          | Storage Temperature Range          | -15~60℃                                                 |               |               |               |
|                          | Humidity                           | 5~95%                                                   |               |               |               |
|                          | Cooling Method                     | Air Cooling                                             |               |               |               |
|                          | IP Rating                          | IP54                                                    |               |               |               |
|                          | Weight                             | 80Kg                                                    | 130Kg         | 180Kg         | 230Kg         |
| Other Parameters         | Dimensions (W*D*H)                 | 725*515*350mm                                           | 725*515*490mm | 725*515*630mm | 725*515*770mm |
|                          | Communication Interface            | WIFI/RS485                                              |               |               |               |
|                          | Certification                      | IEC62619、IEC62109、CE-EMC                                |               |               |               |



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