

# Power Star- 工商业储能用锂离子电池户外柜

## Power Star-Lithium ions Battery Outdoor Cabinet for Industrial and Commercial



● ESD832-05P160/ESD768-05P220

工商业系列产品采用模块化系统配置，分为经济型和标准型两款，经济型产品更紧凑，能量密度高；标准型产品能量功率适应性好，能够进行灵活配置。系列产品能实现峰谷时移、错峰用电，缓解电网压力。

The Smart-One industrial and commercial series products adopt modular system configurations and are divided into two types: economical and standard. Economical products are more compact and have high energy density. The standard product has good adaptability to energy and power, and can be flexibly configured. The series of products can achieve peak to valley time shift and staggered electricity consumption, alleviating the pressure on the power grid.



### 模块化设计 Modular design

模块化设计，易于安装维护；  
可扩展式设计，满足客户定制化需求；  
尺寸紧凑，空间利用率高。

Modular design, easy to install and maintain.  
Scalable design to meet customer customization needs.  
Compact size and high space utilization.



### 安全环保、适应性强 Safe Environmental Adaptable

支持全氟己酮全淹没式消防，高安全，环境友好；  
电池使用温度范围广，适应各类苛刻应用环境。

Supporting Perfluorohexanone fully submerged fire protection configuration, high safety, and environmentally friendly. wide temperature range of battery and suitable for various harsh application environments.



### 无缝切换、冗余供电 Seamless switching Redundant power supply

支持双回路冗余供电，交流电优先；  
交流失电可无缝切换至直流。

Support dual circuit redundant power supply, with priority given to AC power.  
Seamless switching to direct current when AC power is lost.



### 无人值守、远程运维 Unattended, Remote operation and maintenance

可用率高达 99% 以上；  
支持软件远程升级。

The availability rate can reach over 99%.  
Support remote software upgrades.

型号 / Model		ESD832-05P160	ESD768-05P220
电气参数 / ELECTRICAL			
电芯容量	Cell Capacity	90Ah	90Ah
标称能量	Nominal Capacity	160kWh	220kWh
推荐使用电压范围	Recommended Voltage	728~936Vdc	672~864Vdc
交流侧电压	AC Voltage	AC400V	AC400V
PCS 功率	PCS Power	75kW	100kW
放电倍率	Discharge Rate	0.5 P@25°C	0.5 P@25°C
环境参数 / ENVIRONMENTAL			
工作温度范围	Operating Temperature Range	-20~45°C	-20~45°C
工作湿度范围	Operating Humidity Range	5-95%	5-95%
防护等级	Enclosure Protection Rating	IP54	IP54
冷却方式	Cooling	风冷 Air-cooled	风冷 Air-cooled
消防系统	Fire Fighting System	七氟丙烷 / 全氟己酮 HFC-227ea/Novtec1230	七氟丙烷 / 全氟己酮 HFC-227ea/Novtec1230
海拔	Altitude	< 3000m	< 3000m
通讯方式 / COMMUNICATIONS			
通讯方式	Communication	CAN, RS485, Ethernet	CAN, RS485, Ethernet
符合标准	Certification	UL1973、IEC62619 UL9540A、UN38.3	UN38.3
结构参数 / STRUCTURAL			
尺寸	Dimensions (W*D*H)	1700mm×1100mm x 2400mm	1600mm×1250mm x 2500mm
重量	Weight	≈ 2.2 t	≈ 2.8t