

产品概要

PRODUCT OVERVIEW

元瓦光储协同柜 2.0，支持 16 路光伏输入，2 台 60kW 混网 PCS 逆变输出，4 簇工商业直流储能柜输入汇流，可接入柴发实现光 + 储 + 柴三源协同，并且提供防雷及过流保护。内配输入断路器、输出断路器、交流防雷器、智能监控仪表（监测系统电压、电流、功率、电能等信号）、散热系统、EMS 管理模块和明显断电器件，拥有故障告警、故障保护等功能，能可靠分断短路电流，确保系统电气安全。

Yuanwa PV & Energy Storage Collaborative Cabinet 2.0 supports 16-channel PV input, 2 sets of 60kW hybrid PCS inverter output, and input convergence for 4 clusters of commercial & industrial DC energy storage cabinets. It supports diesel generator access to realize PV + energy storage + diesel three-source collaboration, and provides lightning protection and overcurrent protection. Equipped with input circuit breakers, output circuit breakers, AC surge protective devices, intelligent monitoring meters (monitoring system voltage, current, power, electric energy and other signals), cooling system, EMS management module and obvious disconnection devices, it features fault alarm and fault protection functions, and can reliably break short-circuit current to ensure the electrical safety of the system.



产品亮点

PRODUCT HIGHLIGHTS



一体化集成设计

**All-in-one
integrated design**

集光伏接入、混网 PCS、储能汇流、配电、防雷、散热、EMS 管理于一体，现场安装便捷、系统集成度高。

It integrates PV access, hybrid PCS, energy storage convergence, power distribution, lightning protection, heat dissipation and EMS management, featuring convenient on-site installation and high system integration.



多路接入能力

**Multi-channel
access capability**

支持 16 路光伏输入、4 簇储能柜接入、2 路 60kW PCS 输出，支持柴发接入，适配工商业并离网光储项目。

It supports 16-channel PV input, 4-cluster energy storage cabinet connection, 2-channel 60kW PCS output and diesel generator access, suitable for commercial and industrial grid-tied & off-grid PV-storage projects.



智能监控与保护

**Intelligent Monitoring
and Protection**

配备 EMS 显示屏、智能仪表、声光报警、急停按钮，实现电压 / 电流 / 功率 / 电能实时监测与故障主动保护

It is equipped with an EMS display, intelligent meters, audible and visual alarm, and emergency stop button, enabling real-time monitoring of voltage, current, power and electric energy, as well as active fault protection

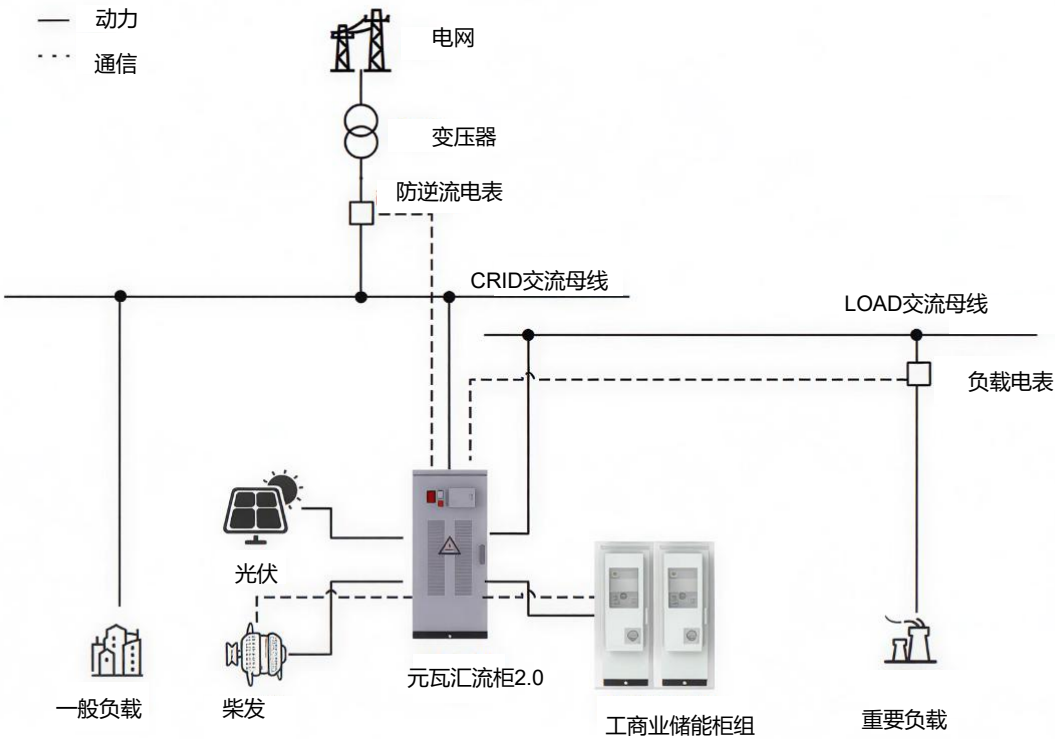


丰富应用功能

**Rich Application
Functions**

支持削峰填谷、需量控制、防逆流、远程监控、断路器远控与状态检测

It supports peak shaving and valley filling, demand control, anti-backflow, remote monitoring, remote control of circuit breakers and status detection



系统应用拓扑图

交流输入电压	380V/400V,3P+PE(+N)
电池输入电压	150~950V
光伏输入电压	150~950V
电池充放最大电流	160A
GRID输出额定功率	60kW*2
LOAD输出额定功率	60kW*2
GEN柴机输入最大功率	60kW*2
元瓦并联输入路数	≤3 (PCS*5)
防护等级	IP54
工作温度	-25℃~60℃
储存温度	-40℃~70℃
海拔	≤2000m
搬运方式	底部叉车孔叉装，底部起吊杆吊装
维护方式	前后维护
重量	320kg
尺寸	800*1100*1700mm
保护	过流保护
	过热保护
	断路器检测，远控
其他	支持削峰填谷，需量控制，防逆流等功能

