

Energy Storage Cabinet

WL-SMC-EC

Product Introduction

The Lnxall WL-SMC-EC Energy Storage Station Control Cabinet is a cost-effective and highly integrated all-in-one on-site energy management cabinet customized for energy storage (microgrid) power plants. It is designed to achieve integrated centralized monitoring and management of energy storage station control systems across multiple application scenarios, including the generation side, grid side, user side, and microgrids.

The WL-SMC-EC integrates units such as a station control server, station control gateway, station control HMI, switch, and UPS within the all-in-one cabinet (product models are all selectable). It also provides a unified power and communication line module, supporting the connection of devices with interfaces such as Ethernet, RS485 bus, CAN bus, DI, and DO.



General Product Parameters

Power supply	Voltage	AC 200 ~ 240V / 50Hz
	Power consumption	≤ 2kW
Communication support	Communication interfaces	Ethernet, RS485, DI, DO, CAN
	Communication protocols	Modbus RTU, Modbus TCP, IEC104, DL/T645, OPC UA
General parameters	Protection grade	IP20

Product Size Differences

V1 WL-SMC-EC-V1	Rack size	600(D) × 807.4(W) × 2166.2(H) mm
	Mounting holes	735 × 575 (aperture 4-15 × 25) or 600 × 550 (aperture 4-15 × 25)
V2 WL-SMC-EC-V2	Rack size	600(D) × 607.4(W) × 1966.2(H) mm
	Mounting holes	535 × 575 (aperture 4-15 × 25) or 400 × 550 (aperture 4-15 × 25)
V3 WL-SMC-EC-V3	Rack size	800(D) × 607.4(W) × 2166.2(H) mm
	Mounting holes	535 × 725 (aperture 4-15 × 25) or 400 × 700 (aperture 4-15 × 25)