



Easyway UNIV5200 — 19" Rack-Mounted Lithium Energy Storage System

⚡ LiFePO4 Energy Storage

🔄 ≥ 8,000 Cycles @ 25°C

✓ 10-Year Warranty • 15+ Year Life

Reliable, Modular & High-Yield Stationary Storage

The Easyway UNIV5200 rack-mounted lithium iron phosphate (LiFePO4) battery is the definitive choice for high-performance backup power and solar self-consumption. Featuring 5.22 kWh gross capacity and 4.91 kWh usable energy per module, it delivers rock-solid resilience for residential and commercial sites.

► Scalable to 83.52 kWh

Parallels up to 16 modules effortlessly inside standard 19-inch server rack cabinets.

► Superior Smart BMS

Continuous cell telemetry, active balance circuitry, and native CAN/RS485 handshake.

Inherently Safe LiFePO4 Cells with 8,000+ Cycles

Utilizing premium lithium iron phosphate chemistry, the Easyway UNIV5200 provides complete peace of mind against thermal runaway. The integrated Battery Management System safeguards voltage, current, and temperature parameters to ensure over 15 years of uninterrupted service.

- ✓ **Exceptional Cycle Life ($\geq 8,000$ Cycles):** Designed for 15+ years of continuous daily operation at 90% recommended Depth of Discharge (DOD).
- ✓ **High Continuous Power:** 80A recommended charging/discharging current and 100A maximum continuous output to support high domestic peak loads.
- ✓ **Plug & Play Solis Inverter Link:** Pre-programmed CAN-bus and RS485 communication protocols match Solis S6 hybrid and retrofit inverters out of the box.
- ✓ **Standard 19" 3U Rack Form Factor:** Compact 442 x 135 x 480 mm dimensions at 43 kg weight ensure tidy, professional installation.

BMS Protective Features & Operating Specifications

- ✓ Multi-tier autonomous protection: Over-voltage, under-voltage, over-current, short-circuit, and multi-point temperature monitoring.
- ✓ Broad environmental rating: Charge operational range 0°C to 55°C, discharge operational range -20°C to 60°C.
- ✓ Natural convection cooling with zero fan noise, rated IP20 indoor up to 4,000 meters altitude.

✓ **Global Safety Certifications:** Fully certified under CE, Cell UL 1973, IEC 62619, and UN38.3 hazardous materials transport homologation.

UNIV5200 Detailed Technical Specifications

Parameter		Specification	Operating Range	Application
Energy & Voltage	Capacity	Total Energy: 5.22 kWh	Usable: 4.91 kWh (90% DOD)	102 Ah Nominal
<ul style="list-style-type: none">16S cell series configuration90% recommended Depth of DischargeParallel scalability up to 16 modules	Voltage (DC)	Nominal: 51.2 Vd.c.	Range: 44.8 ~ 57.6 Vd.c.	48V Low Voltage
Current & Life Expectancy	Operating Current	Recommended: 80A / 80A (C/D)	Max. Continuous: 100A / 100A	Short-circuit protection
<ul style="list-style-type: none">BMS Protocol: CAN and RS485Operating Temp: Charge 0~55°C, Discharge - 20~60°CNatural cooling, IP20, weight 43 kg	Life Expectancy	≥ 8,000 Cycles (@ 25°C)	Design Life: 15+ Years	10-Year Manufacturer Warranty

Recommended and max continuous operating current applies for cell temperatures between 10°C and 40°C. Certifications: CE, UL 1973, IEC 62619, UN38.3.

5.22 kWh
Per module

8,000+ Cycles
Long life expectancy

16x Parallel
Up to 83.5 kWh

10 Years
Full warranty