

Rack storage

All-in-one rack-mounted solid-state supercapacitor storage for small and medium commercial sites.

247 ES 100 · 107 kWh usable.

107 kWh of solid-state supercapacitor storage in a single rack-mounted indoor unit, with EMS and BMS, PLC, AC and DC protection, HVAC, fire protection and intrusion controls built in. It arrives plug-and-play, runs on natural cooling, and carries no rare metals and no thermal runaway risk. The inverter is selected separately and pairs with 30 to 150 kW units.

Standards: IEC 62619 · IEC 62040 · CE · RoHS · UN 38.3. Best combined with 247 ERP.

> 15.000 Projected cycle life at 25°C	10.000 Cycle warranty	97.1% Round-trip efficiency	100% Depth of discharge capable
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FULL SPECIFICATIONS

Part number	247 ES 100
Energy storage	107 kWh
Inverter (not included)	30 · 60 · 90 · 120 · 150 kW
Cell technology	Solid-state supercapacitor
Projected cycle life (25°C)	> 15.000 cycles
Warranty life (25°C)	10.000 cycles
Round-trip efficiency	97.1%
Cooling method	Natural
Self-discharge rate	2–3% per month
Depth of discharge	≤ 90% rec. · 100% max.
Shell material	Metal & ABS plastic
Format / protection	Rack-mounted · Indoor IP20
Weight	1.050 kg
Dimensions (W×D×H)	85 × 74 × 213 cm
Charge / discharge temp.	0~+55°C / -20~+60°C
Transport / origin	UN 38.3 · Benelux built

KEY ADVANTAGES

- Solid-state supercapacitor, zero thermal runaway
- All-in-one rack, one to two day install
- Natural cooling, no active HVAC load
- No civil works or concrete foundations
- EMS/BMS, PLC, fire protection and HVAC included
- Over 70% European-sourced components

APPLICATIONS

- Peak shaving and demand charge reduction
- Solar self-consumption
- Backup power with a suitable inverter
- Port and quayside infrastructure

ENGINEERED TO SPECIFICATION

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This datasheet defines our reference platform, not a boundary. Every storage system is sized and configured to your project; energy capacity, inverter rating, container format and integration scope are set with your engineering team. Our systems scale from 100 kWh to multiple MWh, made to order to perform exactly as your grid, load profile and site conditions demand.