

100
kWh

247 SuperCap energy storage datasheet

247-ES-PS-0100



Image of 100KWH

SMALL/MEDIUM SCALE APPLICATIONS

- Peak Shaving
- Load Balancing
- Solar Energy Storage
- Decentralized Energy Management

KEY ADVANTAGES

- Graphene Super Capacitor Energy Storage
- All-in-one solution (plug-and-play)
Including EMS, Inverter
- 15.000 cycle life, Safest technology
- Highly configurable and flexible design
- Modular architecture
- Scalability

PERFORMANCE SPECIFICATIONS

Part Number	247 ES STS 100
Energy storage	107KWh
Inverter	30 – 60 – 90 –120 – 150KW
Projected Cycle life (25°C)	15.000
Cooling Method	Natural
Cells Self-discharge Rate	3% per month
Warranty Life (at 25°C)	10.000
Round Trip Efficiency	97,1%
Recommended Depth of Discharge	≤90%
Maximum Depth of Discharge	100%
Shell Material	Metal & ABS plastic
Monitoring Data	Voltage, current, SOC, state, temperature
All-in-One solution	10Ft Container, racks, inverters, battery packs, EMS/BMS, PLC, power-locks, AC/DC protection, internal cabling, HVAC, Fire Protection, Intrusion controls

247 Energy NV

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MECHANICAL SPECIFICATIONS

Part Number	247 ES STS 100
Weight	1.050Kg
Dimensions (WxDxH)	85 x 74 x 213 (including plinth)

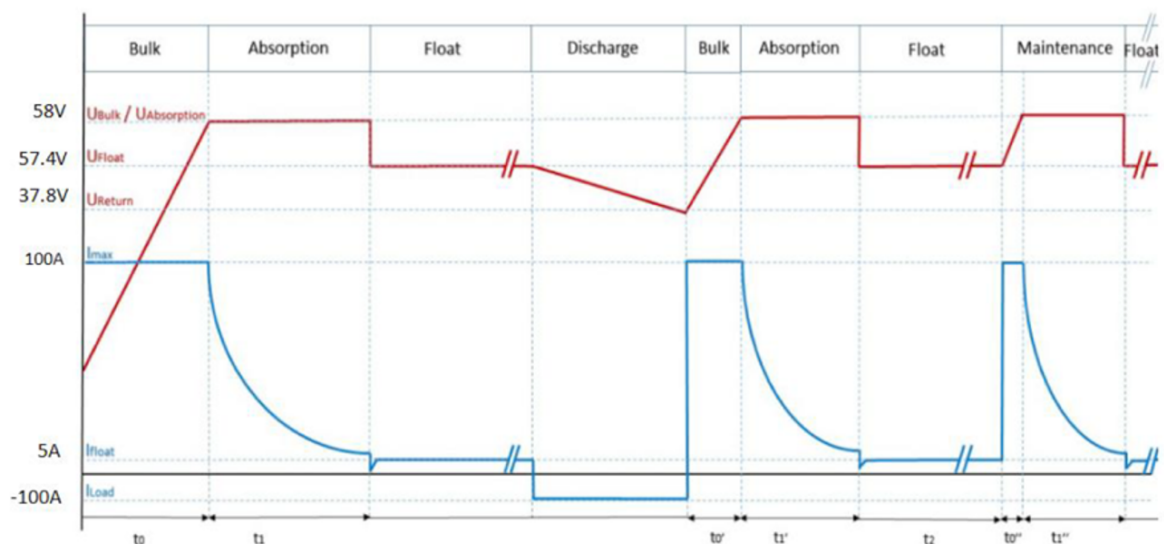
COMPLIANCE INFORMATION

ENVIRONMENTAL SPECIFICATIONS

Safety	IEC62619, IEC62040	Environmental Protection	Battery Packs: Indoor, IP20
		Operating Humidity	0~90% RH Non-condensing
Transport	UN38.3, MSDS	Charge Temperature	0°C~+55°C
		Discharge Temperature	-20°C~+60°C
CE	EN 62133:2013, EN 55032:2015+AC:2016, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013	Storage Conditions	-20°C~+40°C
		Environmental	25% ~ 95%RH
Inverter	inverter is not included		SOC>30%, one full charge needed per two months

Design & Assembly in Benelux

CHARGING/DISCHARGING CURVE



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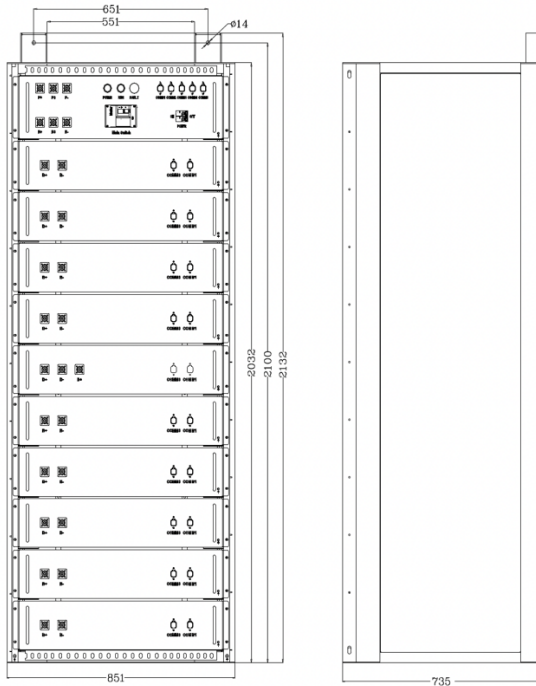
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DIMENSIONS



WHY CHOOSE 247 ENERGY STORAGE?



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