

250
1.000
kWh

247 SuperCap energy storage datasheet

247-ES-PS-0250/0500/1000



Image of 10Ft version

LARGE SCALE APPLICATIONS

- Peak Shaving
- Load Balancing
- Frequency Balancing
- Decentralized Energy Management

KEY ADVANTAGES

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

PERFORMANCE SPECIFICATIONS

Part Number	247 ES PS 250	247 ES PS 500	247 ES PS 1000
Energy storage	258KWh	505,25KWh	1010,5KWh
Inverter	75 or 125Kw	125 or 250Kw	250 or 500Kw
Projected Cycle life (25°C)	20.000	20.000	20.000
Cooling Method	Natural	Natural	Natural
Cells Self-discharge Rate	3% per month	3% per month	3% per month
Warranty/Projected Cycle Life (25°C)	10.000/ 20.000	10.000/ 20.000	10.000/ 20.000
Round Trip Efficiency	97,1%	97,1%	98%
Recommended Depth of Discharge	≤90%	≤90%	≤90%
Maximum Depth of Discharge	100%	100%	100%
Shell Material	Metal & ABS plastic	Metal & ABS plastic	Metal & ABS plastic
Monitoring Data	Voltage, current, SOC, state, temperature	Voltage, current, SOC, state, temperature	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	20Ft Container, racks, inverters, battery packs, EMS/BMS, PLC, power-locks, AC/DC protection, internal cabling, HVAC, Fire Protection, Intrusion controls	40Ft Container, racks, inverters, battery packs, EMS/BMS, PLC, power-locks, AC/DC protection, internal cabling, HVAC, Fire Protection, Intrusion controls

MECHANICAL SPECIFICATIONS

Part Number	247 ES PS 250	247 ES PS 500	247 ES PS 1000
Weight	3.820Kg	7.041Kg	13.581Kg
Dimensions (WxDxH)	10Ft	20Ft	40Ft

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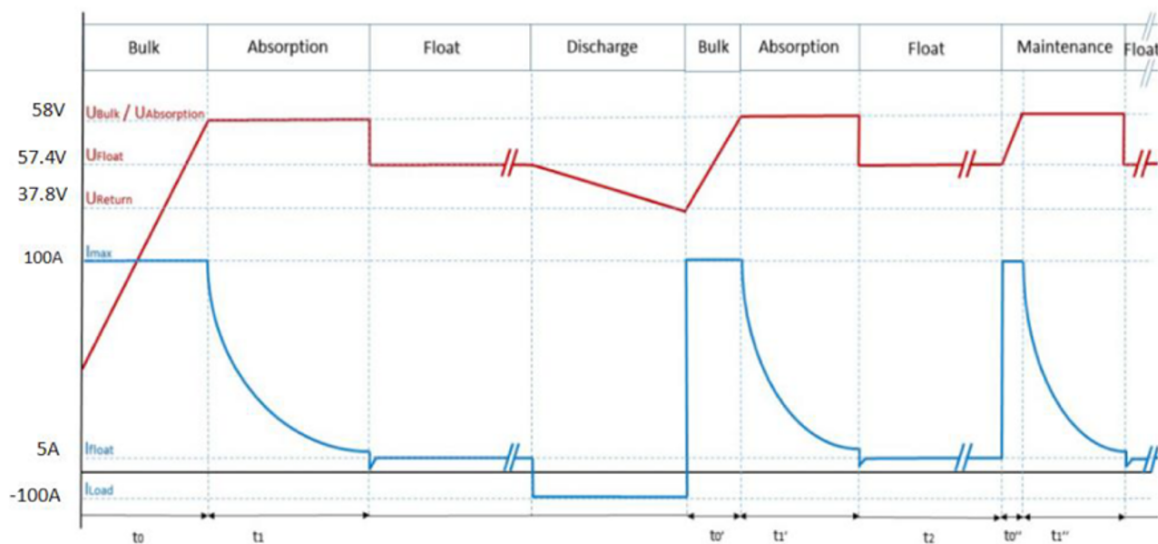
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COMPLIANCE INFORMATION ENVIRONMENTAL SPECIFICATIONS

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	RoHS		25% ~ 95%RH
Inverter	inverter is included		SOC>30%, one full charge needed per two months
Design & Assembly in Benelux			

CHARGING/DISCHARGING CURVE



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WHY CHOOSE 247 ENERGY STORAGE?



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