

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 STS/PS 250	247 ES STS/PS 500	247 ES STS/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	10.000	10.000	10.000
Projected Cycle Life (25°C)			
Standard (STS)	15.000	15.000	15.000
Performance series (PS)	20.000	20.000	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 STS/PS 250	247 ES STS/PS 500	247 ES STS/PS 1000
Weight	3.820Kg	7.041Kg	13.581Kg
Dimensions (WxDxH)	10Ft	20Ft	20Ft

247 Energy NV

Schaarbeekstraat 20 – E1.1, 9120 Beveren, Belgium
Steenoven 44, 5626 DK Eindhoven, The Netherlands
+32 3331 0000 – storage@247.energy – 247storage.energy

247
ENERGY

250
1.000
kWh

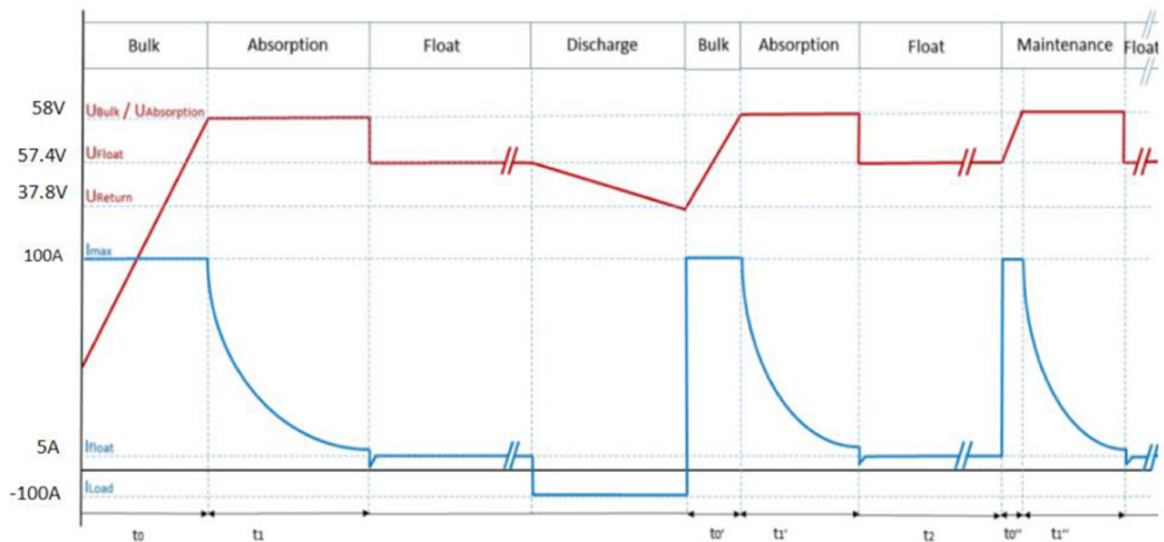
247 SuperCap energy storage datasheet
247-ES-PS-0250/0500/1000

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



247 Energy NV





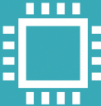








Schaarbeekstraat 20 – E1.1, 9120 Beveren, Belgium
Steenoven 44, 5626 DK Eindhoven, The Netherlands
+32 3331 0000 – storage@247.energy – 247storage.energy

247
ENERGY

250
1.000
kWh

247 SuperCap energy storage datasheet
247-ES-PS-0250/0500/1000

WHY CHOOSE 247 ENERGY STORAGE?

 nonflammable	 10 year	 +10.000 cycles	 ultra fast charge		
 supercap tech	 -20°C ~ 50°C	 power density	 no cooling	+	 highest ROI
 depth discharge	 slow degradation	 recyclable	 sustainable		

Blue is the new Green

Truly Sustainable.
A long lifespan makes our
blue battery the new green.

247
ENERGY

Save Big

Unbeatable cycle costs for
long-term savings.

247
ENERGY

Safety First

No battery fires,
no thermal runaway.
Our energy storage puts safety first.

247
ENERGY

Recharge in a Flash

Ultra-fast charging without
damaging the battery.

247
ENERGY

**Power You
Can Count On**

Minimal degradation.
Get the full energy you paid for.

247
ENERGY

Built to Last

Outlast traditional batteries
multiple times over.

247
ENERGY

247 Energy NV

Schaarbeekstraat 20 – E1.1, 9120 Beveren, Belgium
Steenoven 44, 5626 DK Eindhoven, The Netherlands
+32 3331 0000 – storage@247.energy – 247storage.energy

247
ENERGY