

**250**  
**1.000**  
kWh

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

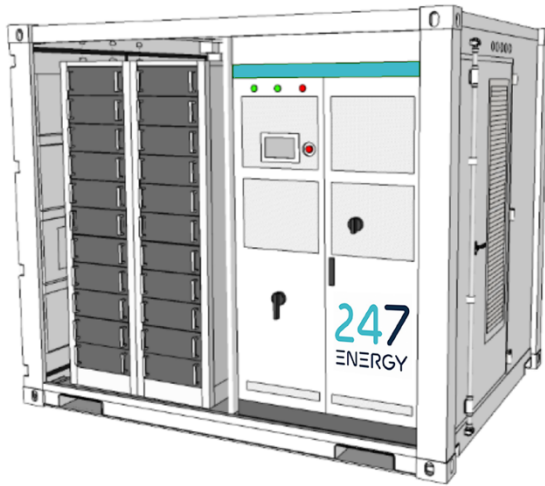


Image of 10Ft version

### 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 containing	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

#### 247 Energy BV

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**247**  
ENERGY

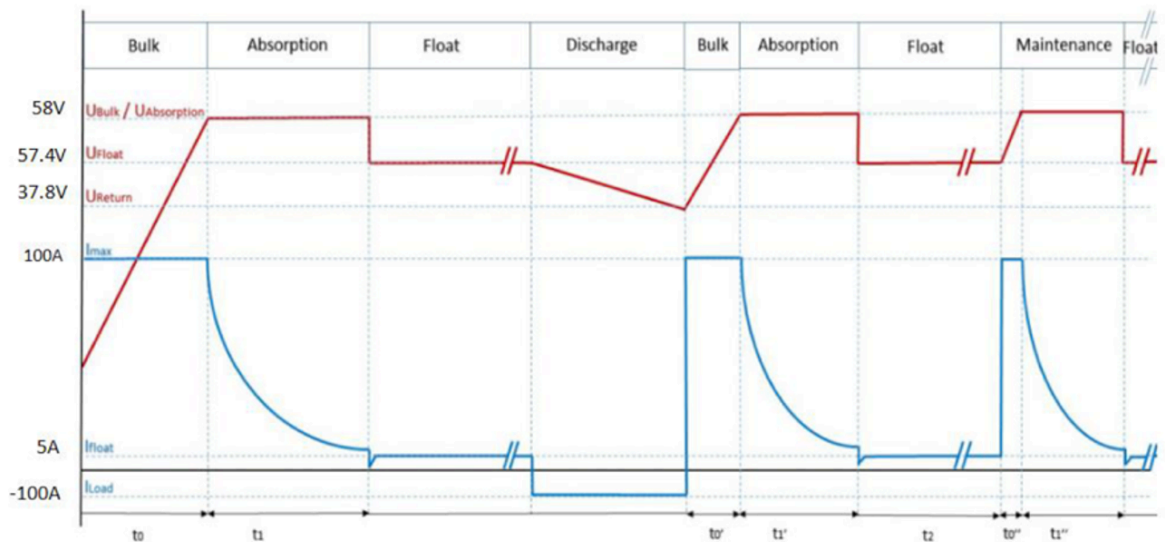
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**COMPLIANCE INFORMATION**  
**ENVIRONMENTAL SPECIFICATIONS**

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
Inverter	inverter is included		25% ~ 95%RH
			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?**

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

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