

# Graphene Supercapacitors 48 V/DC



## Graphene supercapacitor cells 3.6/5.5 kWh

- Safest technology
- Ultra long cycle life-time
- Highest energy transfer efficiency
- Easy to install
- 5 years warranty
- DOD up to 100%
- Wide temperature range
- High thermal stability

### COMPLIANCE INFORMATION

- SAFETY: IEC62619, UL
- TRANSPORT: UN38.3,MSDS
- CE: EN 62133:2013, EN 55032:2015+AC:2016, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013
- ENVIRONMENTAL: ROHS



Graphene Energy Storage Module

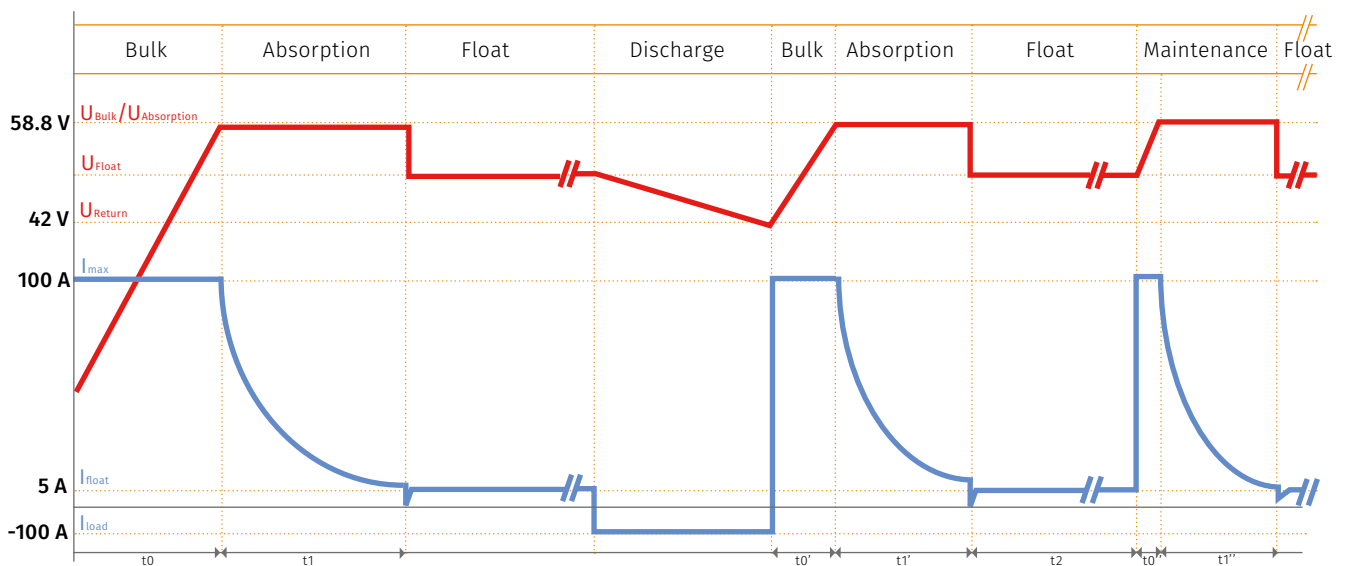
## PERFORMANCE SPECIFICATIONS

ENERGY STORAGE	3.6 kWh	5.5 kWh
Nominal Voltage	51.8 V/DC	
Maximum Charge Voltage	58 V/DC	
Discharge Cut-off Voltage	42 V/DC	
ESR/AC @1KHz 50% SOC	<10mΩ	<8mΩ
Max. Continuous Charge Current	100 A	
Max. Continuous Discharge Current	100 A	
Cooling Method	Natural	
Cells Self-discharge Rate	2% per month	
Projected Cycle Life (25 °C)	50,000 times	
Recommended Depth of Discharge	≤90%	
Maximum Depth of Discharge	100%	
Shell Material	Metal & ABS plastic	
Monitoring Data	SOC, voltage, current, temperature	
Series Connection	Not allowed	
Parallel Connection	Allowed up to 10 pieces	

## MECHANICAL SPECIFICATIONS

Weight	47 kg	38 kg
Dimensions	510 x 420 x 170 mm	
Mounting Options	Rack mounting	

## CHARGING CURVE



Note: If the charger needs to set the floating charge voltage, it is recommended to set the  $U_{Float}$  value to 58.8V.

\*All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.

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