

# Capwall SERIES

## FEATURES

- \* Graphene supercapacitor cells
- \* Safest technology
- \* Ultra long cycle life
- \* Extreme temperature
- \* Highest energy transfer efficiency
- \* Easy to install
- \* Rarely maintenance



## PERFORMANCE SPECIFICATIONS

Part Number	GTEM-48V5500-W	GTEM-48V8500-W	GTEM-48V15000-W
Energy storage	5.5KWh	8.5KWh	15KWh
Nominal Voltage	48V/DC	48V/DC	48V/DC
Maximum Charge Voltage	58V/DC	58V/DC	58.8V/DC
Discharge Cut-off Voltage	37.8V/DC	37.8V/DC	39.2V/DC
ESR/AC @1KHz 50% SOC	<10mΩ	<8mΩ	<6mΩ
Max. Continuous Charge Current	100A	100A	100A
Max. Continuous Discharge Current	100A	100A	100A
Power/Energy	0.926	0.617	0.347
Cells Self-discharge Rate	2% per month	2% per month	2% per month
Projected Cycle Life ( 25°C)	20,000 times	20,000 times	20,000 times
Round Trip Efficiency* <sup>1</sup>	95%	96%	98%
Recommended Depth of Discharge	≤90%	≤90%	≤90%
Maximum Depth of Discharge	100%	100%	100%
Cooling Method	Natural	Natural	Natural
Shell Material	Metal & ABS plastic	Metal & ABS plastic	Metal & ABS plastic
Parallel Connection	Up to 5sets	Up to 5sets	Up to 5sets
Monitoring Data	System voltage,current, temperature,SOC,SOH,cycle, cell's voltage	System voltage,current, temperature,SOC,SOH,cycle, cell's voltage	System voltage,current, temperature,SOC,SOH,cycle, cell's voltage

## COMPLIANCE INFORMATION

Safety* <sup>2</sup>	IEC62619,IEC62040
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
Compatible Inverters	SMA,Sungrow,Goodwe

## ENVIRONMENTAL SPECIFICATIONS

Environmental Protection	IP20
Operating Humidity	0~90% RH Non-condensing
Charge Temperature	0°C~+55°C
Discharge Temperature	-20°C~+60°C
Storage Conditions	-20°C~+40°C 25% ~ 95%RH SOC>30%, one full charge needed per two months

Remark:\*<sup>1</sup> (1)At room temperature 25°C, charge-discharge at 1C.(2) Limited charge at 1C for resident energy storage, (3)At the beginning of life.

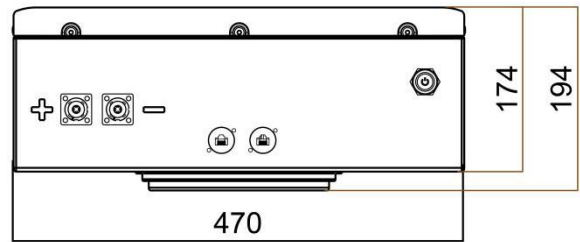
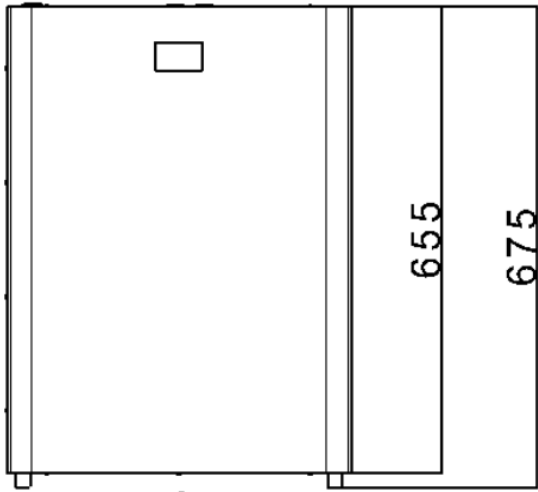
\*<sup>2</sup>on testing,certificate will come soon.

# GRAPHENE SUPERCAPACITOR BATTERY CAPWALL

## MECHANICAL SPECIFICATIONS

Part Number	GTEM-48V5500-W
Weight	65Kg
Dimensions(WxDxH)	470x675x194(mm)
Mounting Options	Wall/floor

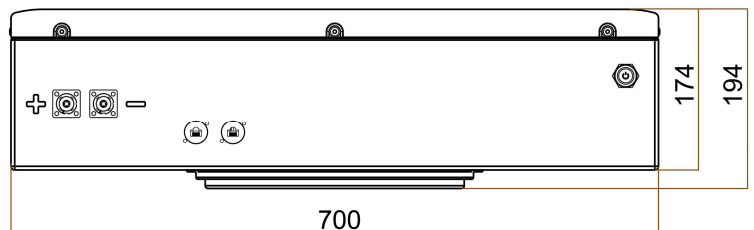
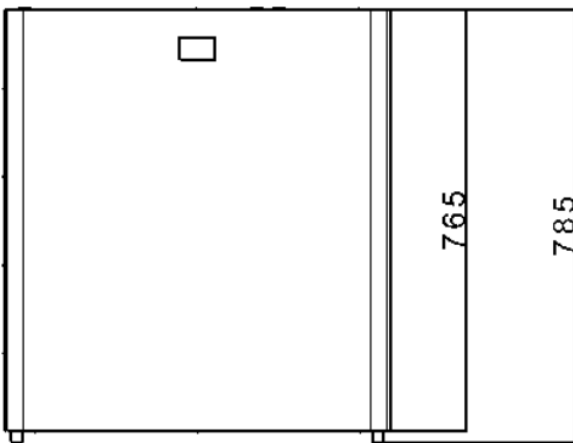
Dimensions and weight differ slightly for each batch. Contact Green Tech for additional information.



## MECHANICAL SPECIFICATIONS

Part Number	GTEM-48V8500-W
Weight	88Kg
Dimensions(WxDxH)	700x785x194(mm)
Mounting Options	Wall/ floor

Dimensions and weight differ slightly for each batch. Contact Green Tech for additional information.

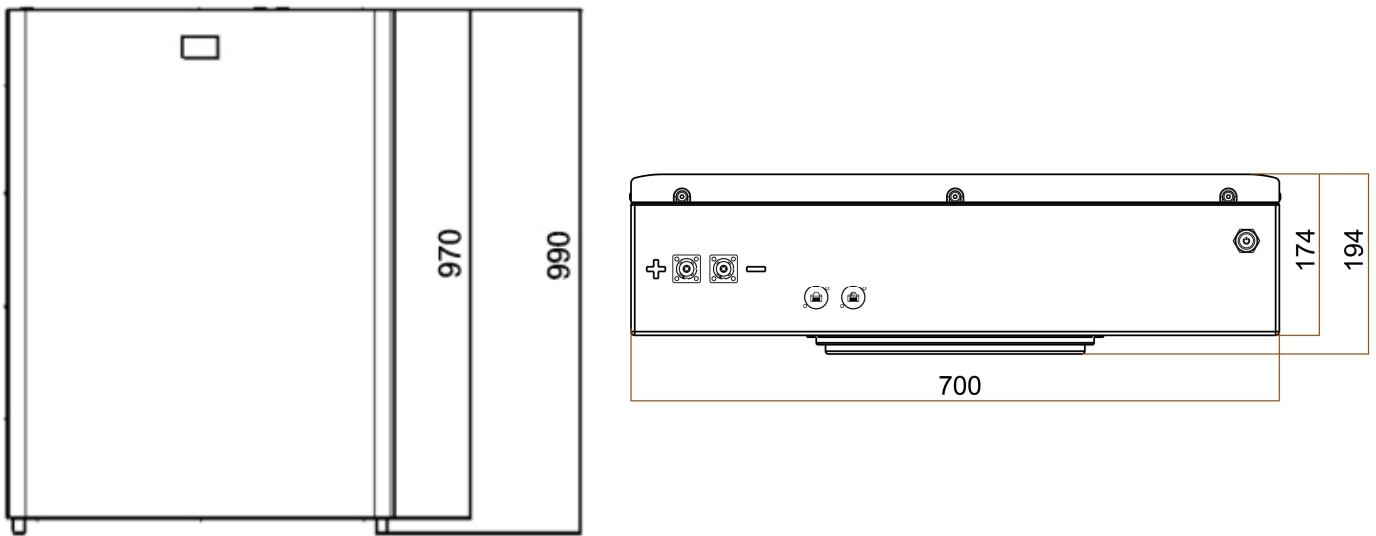


# GRAPHENE SUPERCAPACITOR BATTERY CAPWALL

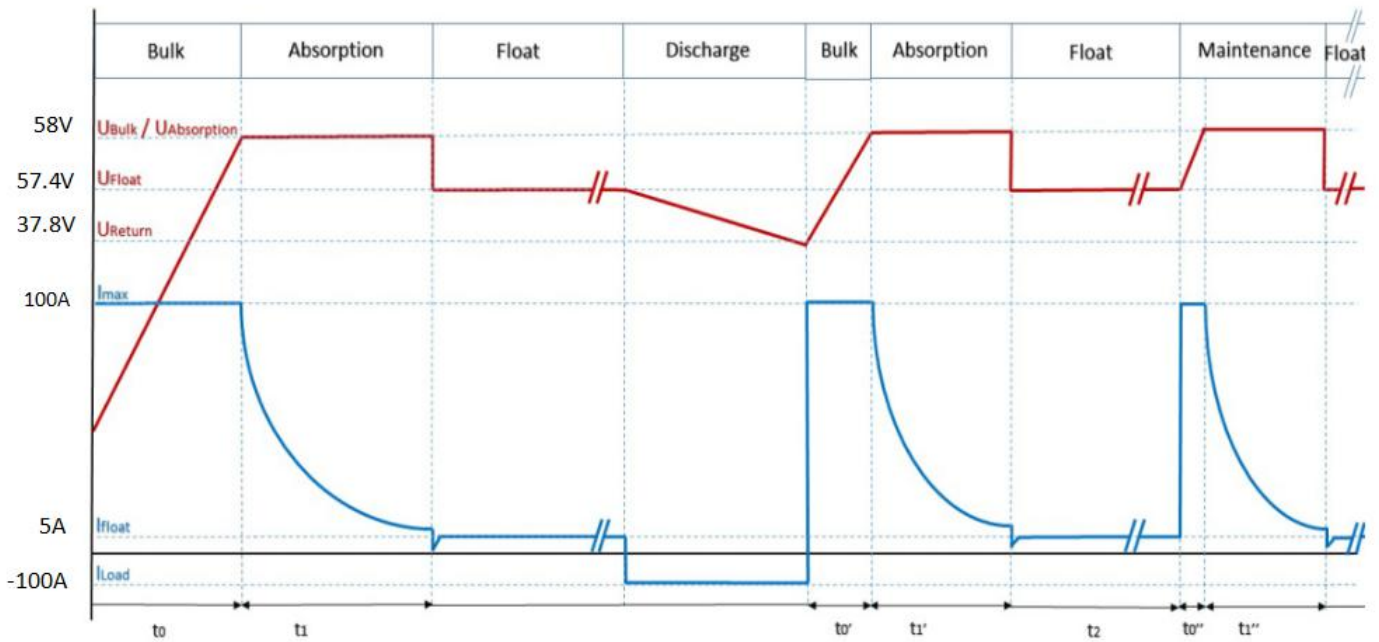
## MECHANICAL SPECIFICATIONS

Part Number	GTEM-48V15000-W
Weight	116Kg
Dimensions(WxDxH)	700x990x194(mm)
Mounting Options	Wall/floor

Dimensions and weight differ slightly for each batch. Contact Green Tech for additional information.



## CHARGING-DISCHARGING CURVE



**Note:** If the charger needs to set the floating charge voltage, it is recommended to set the UFloat value to 57.4V.