

GRAPHENE SUPERCAPACITOR BATTERY CAPWALL

Capwall SERIES

REPRESENTED BY
ATD ENERGY P/L



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	ATDE-EM-48V15K-W2
Energy storage	15.22KWh
Capacity	93000F (294Ah)
Nominal Voltage	51.8V/DC
Maximum Charge Voltage	58.8V/DC
Discharge Cut-off Voltage	39.2V/DC
Configuration	14S14P
ESR/AC @1KHz 50% SOC	<6mΩ
Max. Continuous Charge Current	200A
Max. Continuous Discharge Current	200A
Cells Self-discharge Rate	2% per month
Projected Cycle Life (25 °C)	10,000 times
Round Trip Efficiency* ¹	98%
Recommended Depth of Discharge	≤90%
Maximum Depth of Discharge	100%
Cooling Method	Natural
Shell Material	Metal & ABS plastic
Monitoring Data	System voltage,current, temperature,SOC,SOH,cycle,cell's voltage

COMPLIANCE INFORMATION

Safety	UN38.3
Transport	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
Inverters options* ²	Deye, Sungrow, SMA, Growatt, 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:*¹ (1)At room temperature 25 °C, charge-discharge at 100A.(2)Limited charge at 100A for resident energy storage, (3)At the beginning of life.

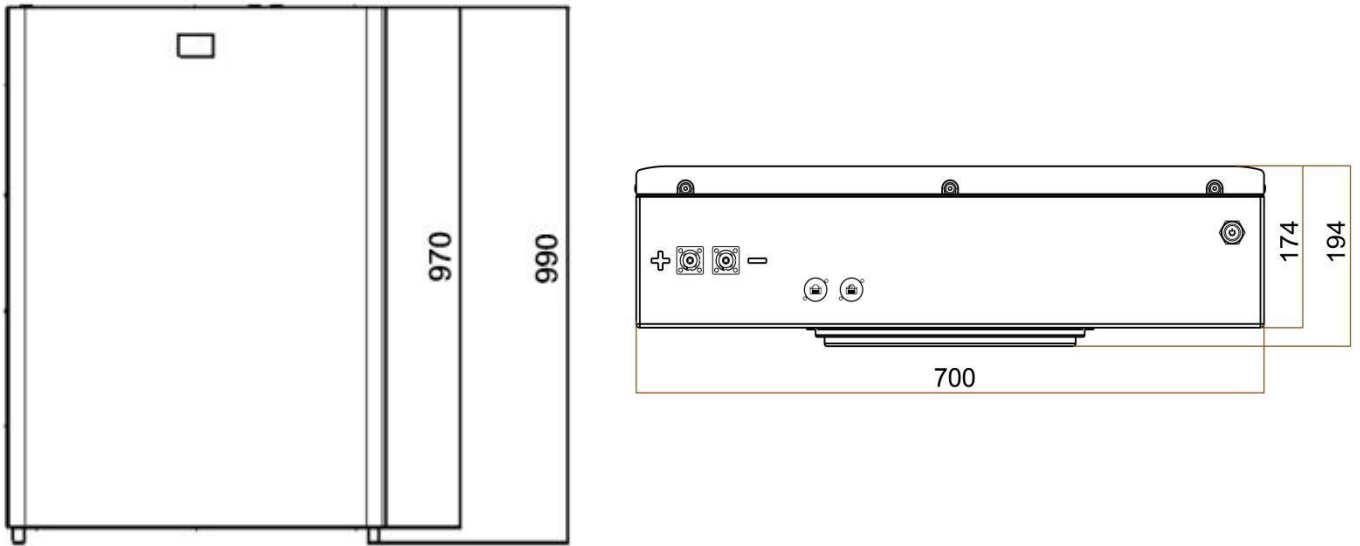
*² *²The inverter brands options for reference,customer need to appoint inverter when place order if need to be compatible.

GRAPHENE SUPERCAPACITOR BATTERY CAPWALL

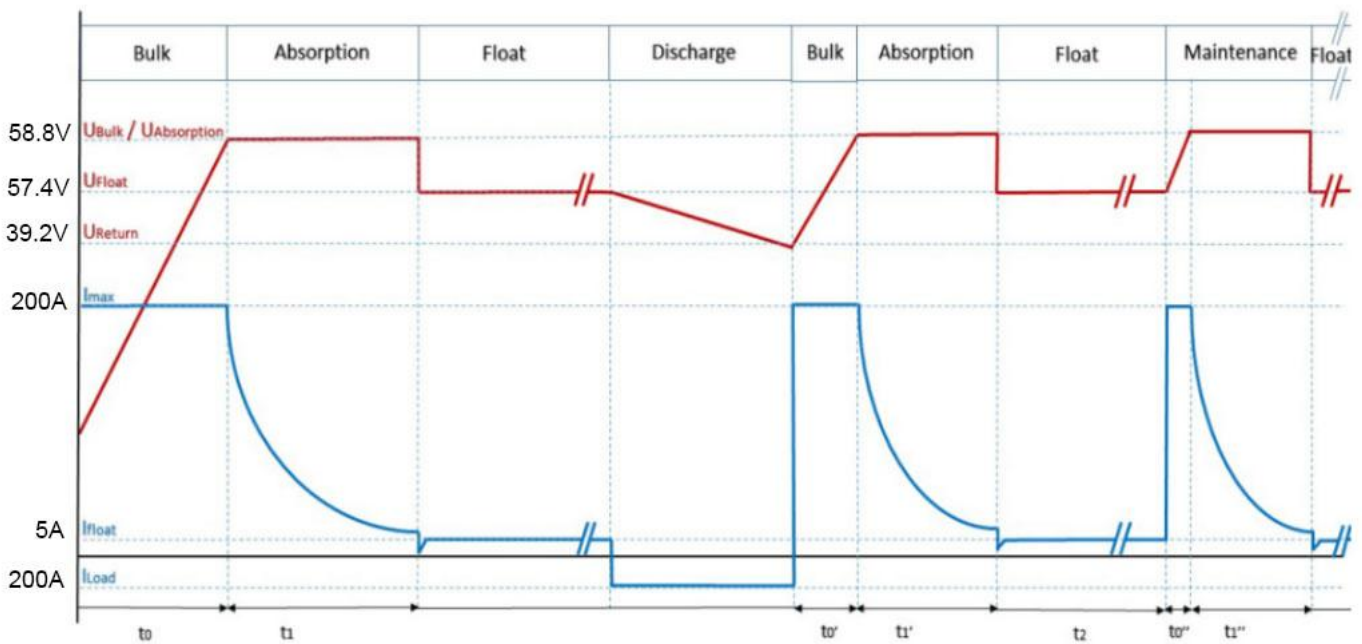
MECHANICAL SPECIFICATIONS

Part Number	ATDE-EM-48V15K-W2
Weight	110Kg
Dimensions(WxHxT)	700x990x194(mm)
Mounting Options	Wall/floor

Dimensions and weight differ slightly for each batch. Contact ATD Energy 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.