

GRAPHENE SUPER CAPACITOR 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-400V14400-W
Energy storage	14.4KWh
Nominal Voltage	400V/DC
Maximum Charge Voltage	453V/DC
Discharge Cut-off Voltage	292V/DC
ESR/AC @1KHz 50% SOC	<150mΩ
Max. Continuous Charge Current	60A
Max. Continuous Discharge Current	60A
Power/Energy	1.66
Round Trip Efficiency*1	96%
Cells Self-discharge Rate	2% per month
Projected Cycle Life (25°C)	20,000 times
Recommended Depth of Discharge	≤90%
Maximum Depth of Discharge	100%
Cooling Method	Natural
Shell Material	Metal & ABS plastic
Communication	CANbus
Monitoring Data	System voltage,current, temperature,SOC,SOH,cycle,cell's voltage

COMPLIANCE INFORMATION

Safety	IEC62619,IEC62040
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
Compatible Inverters	SMA, Solax

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 1C.(2) Limited charge at 1C for resident energy storage, (3)At the beginning of life.

*2on testing,certificate will come soon.

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MECHANICAL SPECIFICATIONS

Part Number **GTEM-400V14400-W**

Weight 115Kg

Dimensions(WxDxH) 700x840x194(mm)

Mounting Options Wall and floor

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

