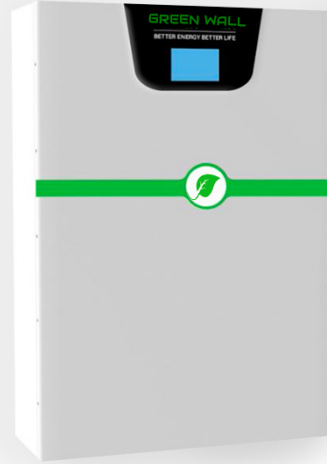


GRAPHENE SUPER CAPACITOR ENERGY STORAGE SYSTEM

Capwall SERIES

REPRESENTED BY
ATD ENERGY P/L



FEATURES

- * Graphene supercapacitor cells
- * Safest technology
- * Long life
- * Extreme temperature range
- * Highest energy transfer efficiency
- * Easy to install
- * Rarely maintenance

Part Number	ATDE-EF-48V10K-W
Energy storage	10.75KWh
Capacity	47372F (210Ah)
Nominal Voltage	51.2V/DC
Maximum Charge Voltage	57.6V/DC
Discharge Cut-off Voltage	44.8V/DC
ESR/AC @1KHz 50% SOC	<20mΩ
Max. Continuous Charge Current	100A
Max. Continuous Discharge Current	100A
Configuration	16S7P
Communication	RS485
Cells Self-discharge Rate	3% per month
Projected Cycle Life (25 °C)	10,000 times
Recommended Depth of Discharge	≤90%
Maximum Depth of Discharge	100%
Shell Material	Metal & ABS plastic
Cooling Method	Natural
Parallel Connection	Up to 10sets
Monitoring Data	System, voltage, current, temperature, SOC, SOH, cells' voltage

COMPLIANCE INFORMATION

Safety	IEC62619*1
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
Inverters options*2	Deye, Sungrow, SMA, Growatt, Goodwe

ENVIRONMENTAL SPECIFICATIONS

Environmental Protection	IP20, Indoor
Operating Humidity	0~90% RH Non-condensing
Charge Temperature*2	-20 °C ~+60 °C
Discharge Temperature	-30 °C ~+60 °C
Storage Conditions	-20 °C ~+40 °C 25% ~ 95%RH SOC>30%, one full charge needed per two months

Remark:*1 some certificates have not achieved yet. will issue if requested.

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

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MECHANICAL SPECIFICATIONS

Part Number	ATDE-EF-48V10K-W
Weight	117Kg
Dimensions(WxHxT)	730x790x138(mm)
Mount Options	Wall and ground

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

