

# GRAPHENE SUPER CAPACITOR ENERGY STORAGE MODULE



REPRESENTED BY  
ATD ENERGY P/L

## FEATURES

- \* Graphene supercapacitor cells
- \* Safest technology
- \* Aluminum alloy shell
- \* Extreme temperature
- \* Highest energy transfer efficiency
- \* Easy to install
- \* Rarely maintenance



Part Number	ATDE-EF-48V3000-E
Energy storage	3.17KWh
Capacity	13500F (62Ah)
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	60A
Max. Continuous Discharge Current	100A
Configuration	16S2P
Communication	RS485
Monitoring Data	System,voltage,current, temperature,SOC,SOH,cells' voltage
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
Series Connection	Option (need to clarify when place order)
Parallel Connection	Option (need to clarify when place order)
Series and Parallel Connection	Add controller box (need to clarify when place order)

## COMPLIANCE INFORMATION

Safety	UN38.3
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	Option

## ENVIRONMENTAL SPECIFICATIONS

Environmental Protection	IP20, Indoor
Operating Humidity	0~90% RH Non-condensing
Charge Temperature	0°C~+45°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: some certificates have not achieved yet. Will issue if requested.

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## MECHANICAL SPECIFICATIONS

Part Number	GTEF-48V3000-E
Weight	28Kg
Dimensions(WxDxH)	486x455x133.5(mm)
Mount Options	19" Rack and Shelf

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

