

700V 28KWh

❖ Features:

- ❖ Graphene supercapacitor cell
- ❖ Fast rechargeable
- ❖ Long cycle life time
- ❖ Large discharge power
- ❖ Safest technology
- ❖ Rarely maintenance.

❖ Applications:

- ❖ Peak loading shaving
- ❖ Grid frequency stabilization
- ❖ Grid voltage stabilization
- ❖ Heave crane machinery
- ❖ Industry power compensation
- ❖ Charging station power supplier

❖ General Characteristics

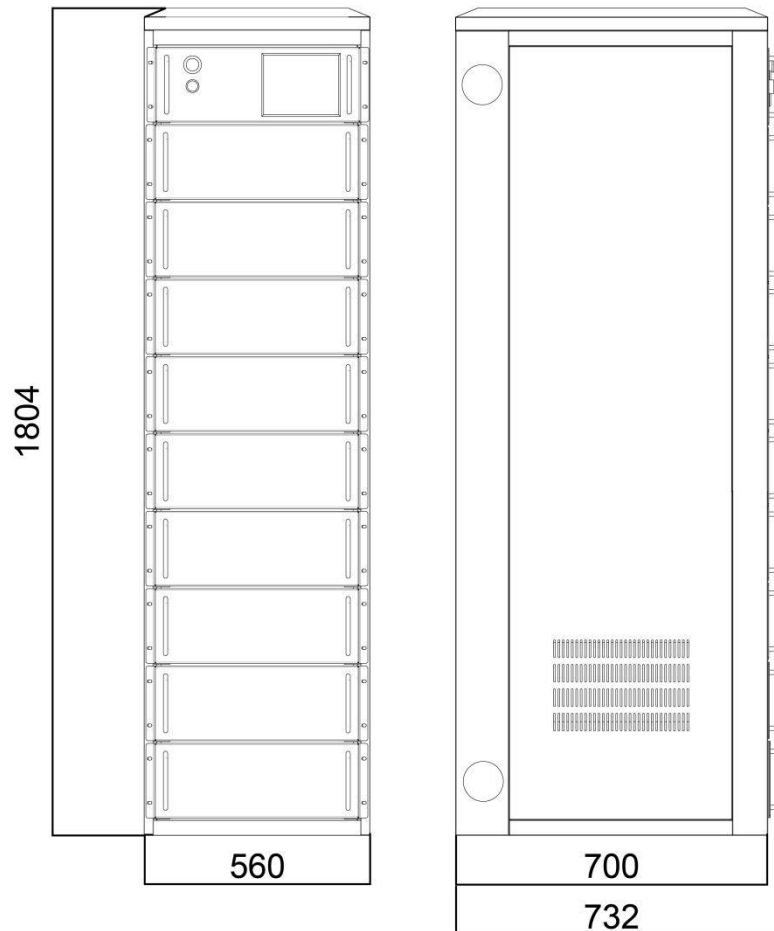
No.	Part Number	ATDE-EG-700V28K-R
1	Energy storage	28KWh
2	Nominal Capacity	40Ah
3	Nominal Voltage	700V/DC
4	Maximum Charge Voltage	856.8V/DC
5	Discharge Cut-off Voltage	642.6V/DC
6	ESR/AC @1KHz 50% SOC	<100mΩ
7	Max. Continuous Charge Current	200A
8	Max. Continuous Discharge Current	200A
9	Discharge rate	5C
10	Max. Continuous Output Power	140KW
11	Configuration	306S4P
12	Charge Temperature*1	-20°C~+60°C
13	Discharge Temperature*2	-40°C~+60°C
14	Operating Humidity	0~90% RH Non-condensing
15	Cells Self-discharge Rate	2% per month
16	Projected Cycle Life EOL 70% (25°C)	50,000 times
17	Projected Calendar Life	15 years
18	Recommended Depth of Discharge	≤ 90%
19	Maximum Depth of Discharge	100%
20	Monitoring Data	System voltage,current, temperature,SOC,SOH,cycle,cell's voltage
21	Terminal	Large power energy storage terminals
22	Environmental Protection	Indoor
23	Cooling Method	Liquid cooling (cycle frequently)
24	Shell Material	Metal
25	Parallel Connection	No limited (add controller box)

Remark *1,*2, please derated the current when use at temperature lower than 0°C

❖ Product Drawing

MECHANICAL SPECIFICATIONS	
Part Number	GTEG-700V28K-R
Weight	650Kg
Dimensions(WxDxH)	560x700x1804(mm)
Mounting Options	Indoor

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



Advantages:

- Large power density up to 240W/kg
- High discharge rate up to 5C
- Ultra long cycle life up to 50000 times
- 10 times cost-effective than regular battery system

Typical application:

- Peak loading shaving
- Grid frequency stabilization
- Grid voltage stabilization
- Heavy crane machinery starting
- Industry power compensation
- Charging station power supplier