

48V 4.5KWh REPRESENTED BY ATD ENERGY P/L

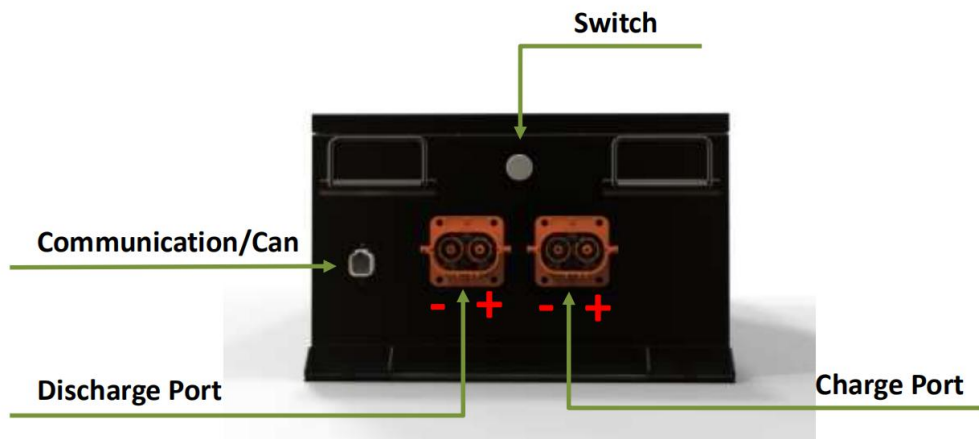
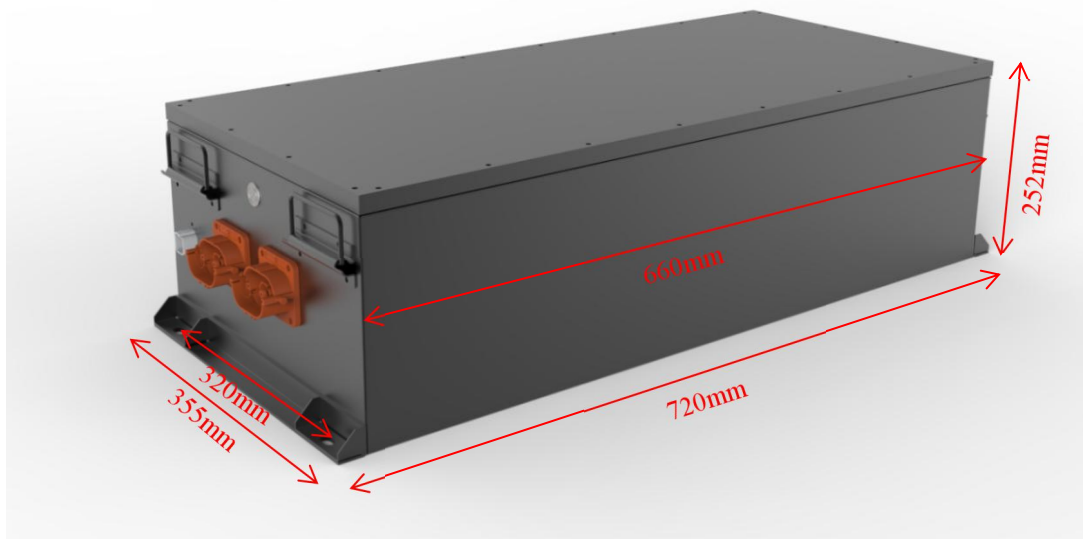
❖ Features:

- ❖ *Graphene super capacitor cells*
- ❖ *Fast rechargeable*
- ❖ *Long life time*
- ❖ *DoD up to 100%*
- ❖ *Safest technology*
- ❖ *Low self-discharge*
- ❖ *Low maintenance*
- ❖ *Environment friendly.*

❖ Applications:

- ❖ Golf carts
- ❖ Electric Rickshaws
- ❖ Electric ATV
- ❖ Forklifts
- ❖ AGV

❖ 48V 4.5KWH System Dimensions: LxWxH=720x355x252mm



❖ General Characteristics

No.	Part Number	ATDE-PM-48V4500BANM007R
1	Usable Energy	4.58KWh
2	Rated Voltage	48V/DC
3	Maximum Charge Voltage	58.8V/DC
4	Discharge Cut-off Voltage	40V/DC
5	ESR/AC @1KHz	<30mΩ
6	Max. Continuous Charge Current	200A
7	Max. Continuous Discharge Current	200A
8	Cut-off Current (charging)	4A
9	Absolute Peak Current 10s	400A
10	Weight	55Kg
11	Discharge Temperature	-20°C~+60°C
12	Charge Temperature	0°C~+55°C
13	Cooling Method	Natural cooling
14	Operating Humidity	0~90% RH Non-condensing
15	Cells Self-discharge Rate	3% per month
16	Projected Cycle Life (25°C)	50,000 times
17	Projected Calendar Life	25 years
18	Recommended Depth of Discharge	≤ 90%
19	Maximum Depth of Discharge	100%
20	Shell Material	Metal & ABS plastic
21	Monitoring Data	Module voltage,SOC
22	Indicator light display	Capacity %
23	Environmental Protection	Customized
24	Series Connection	Not allowed
25	Parallel Connection	Not limited (use parallel isolate connector)
26	Series-Parallel Connection	Not allowed
27	Shelf Life	5 years
28	Storage Conditions	-20°C~+40°C 25% ~ 95%RH SOC>30%, one full charge needed per two months
29	Certificates Compliant	UN38.3
		EN 62133:2013, EN 55032:2015+AC:2016, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013