

48V 10KWh

REPRESENTED BY ATD ENERGY P/L

❖ Features:

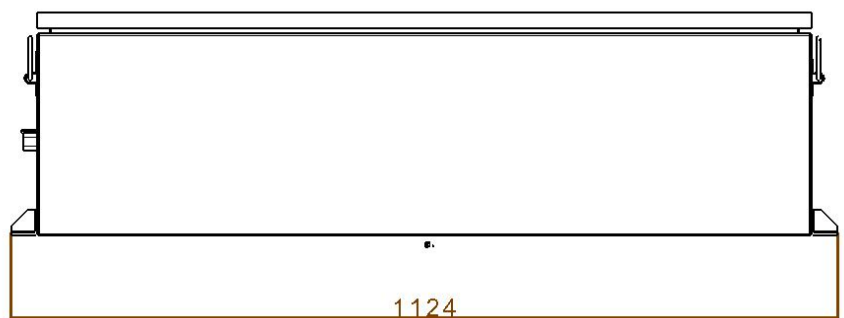
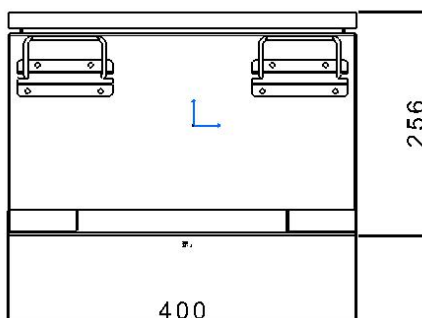
- ❖ *Graphene super capacitor cells*
- ❖ *Long cycle life time*
- ❖ *Fast charging*
- ❖ *Safest technology*
- ❖ *Large discharge power*
- ❖ *Low self-discharge*
- ❖ *Low maintenance*
- ❖ *Environment friendly.*



❖ Applications:

- ❖ Golf carts
- ❖ Electric Rickshaws
- ❖ Forklifts
- ❖ Electric tools
- ❖ Industry machine
- ❖ Electric ferry
- ❖ Electric sightseeing vehicle
- ❖ AGV

❖ 48V 10KWh System Dimensions: LxWxH=1124x400x256mm



❖ General Characteristics

No.	Part Number	ATDE-EM-48V10K-B
1	Energy storage	10KWh
2	Nominal Voltage	51.8V/DC
3	Nominal Capacity	210Ah
4	Recharge Voltage	58.8V/DC
5	Discharge Cut-off Voltage	39.2V/DC
6	ESR/AC @1KHz	<15mΩ
7	Nominal Charge Current	200A
8	Nominal Discharge Current	200A
9	Absolute Peak Current 3s	300A
10	Output Terminal	Anderson
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	2% per month
16	Projected Cycle Life (25°C)	20,000 times
17	Projected Calendar Life	15years
18	Shelf Life	5 years
19	Recommended Depth of Discharge	≤ 90%
20	Maximum Depth of Discharge	100%
21	Shell Material	Stainless steel
22	Monitoring Data	System voltage,current, temperature,SOC,SOH,cycle,cell's voltage
23	Environmental Protection	IP65
24	Weight	82Kg
25	Storage Conditions	-20°C~+40°C 25% ~ 95%RH SOC>30%,one full charge needed per two months
26	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