

48V 3.6KWh

REPRESENTED BY ATD ENERGY P/L

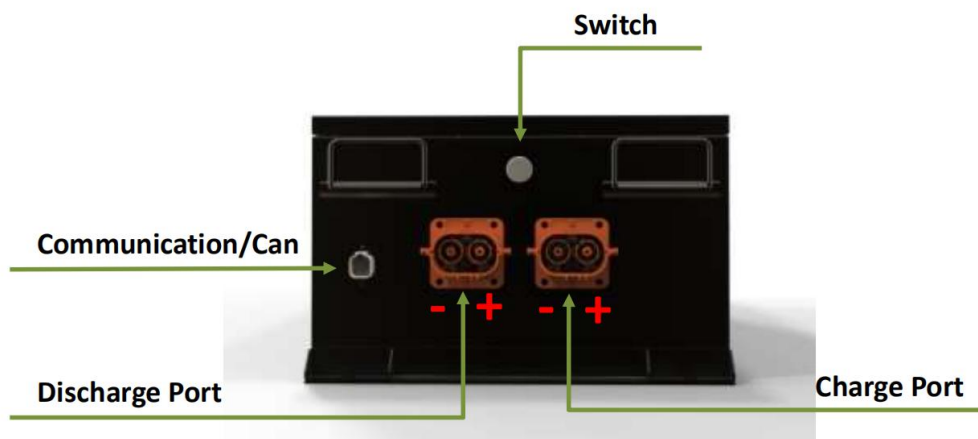
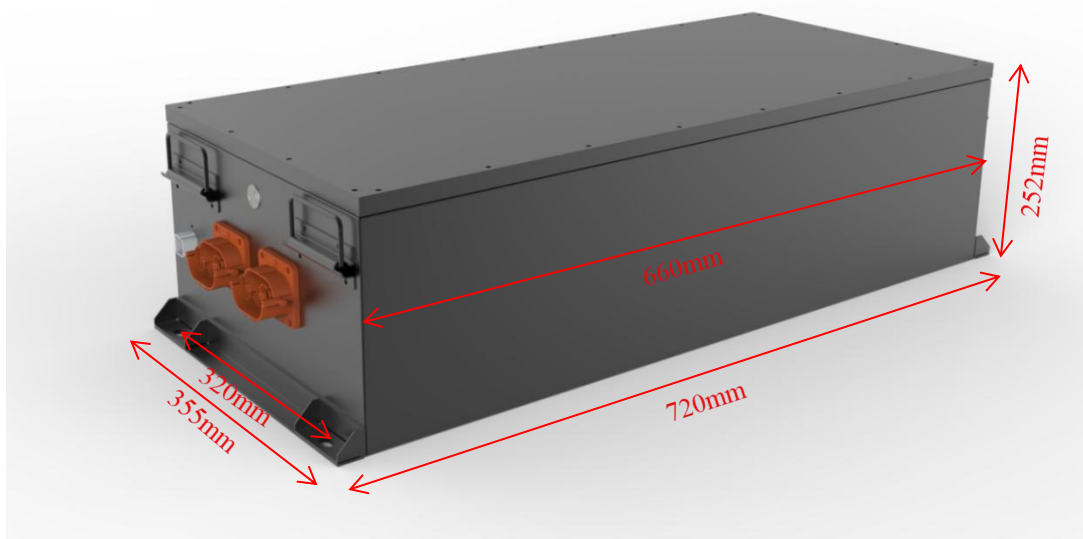
❖ Features:

- ❖ *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 3.6KWH System Dimensions: LxWxH=720x355x252mm



❖ General Characteristics

| No. | Part Number | ATDE-EM-48V3600-G |
|-----|-----------------------------------|---|
| 1 | Usable Energy | 3.62KWh |
| 2 | Rated Voltage | 48V/DC |
| 3 | Capacity | 80Ah |
| 4 | Maximum Charge Voltage | 58.8V/DC |
| 5 | Discharge Cut-off Voltage | 37V/DC |
| 6 | ESR/AC @1KHz | <20mΩ |
| 7 | Max. Continuous Charge Current | 200A |
| 8 | Max. Continuous Discharge Current | 200A |
| 9 | Cut-off Current (charging) | 4A |
| 10 | Absolute Peak Current 3s | 300A |
| 11 | Weight | 55Kg |
| 12 | Discharge Temperature | -20°C~+60°C |
| 13 | Charge Temperature | 0°C~+55°C |
| 14 | Cooling Method | Natural cooling |
| 15 | Operating Humidity | 0~90% RH Non-condensing |
| 16 | Cells Self-discharge Rate | 2% per month |
| 17 | Projected Cycle Life (25°C) | 20,000 times |
| 18 | Projected Calendar Life | 10 years |
| 19 | Shelf Life | 5 years |
| 20 | Recommended Depth of Discharge | ≤ 90% |
| 21 | Maximum Depth of Discharge | 100% |
| 22 | Shell Material | Metal & ABS plastic |
| 23 | Monitoring Data | System voltage,current, temperature,SOC,SOH,cycle, cell's voltage |
| 24 | Indicator light display | Capacity % |
| 25 | Environmental Protection | IP65 |
| 26 | Storage Conditions | -20°C~+40°C 25% ~ 95%RH SOC>30%, one full charge needed per two months |
| 27 | 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 |