

AET480100T (Advance Battery) is high-tech product, which is developed independently by APPLIED ENERGY TECHNOLOGIES. It has outstanding advantages in power backing-up area for telecom, ATM's or UPS specified area, which is widely used in access network equipment, remote switching office, mobile telecom equipment, transmission equipment, satellite ground stations and microwave telecom equipment.

Key Features

- **Long Cycle:** A long cycle life, making them a reliable energy storage solution.
- **Compact Design:** 3U with excellent cycle life. Stores a large amount of energy in a relatively small space.

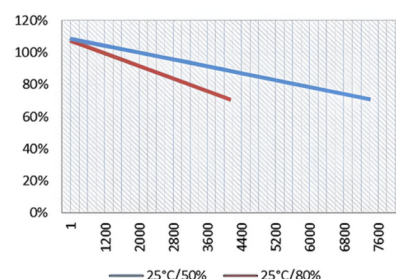
Advantages

- Stores a large amount of energy in a relatively small space, making them an ideal solution for applications where space is limited.
- Long life span. Cost, safety, efficiency, and environmentally friendly.
- Cost effective as compared to other batteries.

Applications

- LFP batteries are finding a number of roles in vehicle use, utility-scale stationary applications, and backup power.
- These Li-ion Batteries are best suitable for outdoor applications.

Life Cycle @ 25°C



AET4800100T (LiFePO4 Battery)

Model	AET480100T
Type	48V/100Ah
Rated Voltage [V]	48V
Capacity [C/5][Ah]	100Ah

Mechanical Characteristics

Module Dimensions [mm]	490*416*133.5 (WxDxH)
Module Weight [kg] Approx.	43 Kg
Cell Voltage [V]	3.2V
Cell Compound Mode	15S1P

Electrical Characteristics

Voltage Range [V]	-42V~55.5V \pm 0.2V
Charging Voltage [V]	-54V \pm 0.2V
Charging Mode	CC/CV
Ah Efficiency	>95%
Max. Charge Current [A]	100A
Max. Discharge Current [A]	100A
Design Cycle	12 years
Cycle Life [80%DOD, 25°C, @0.5C Charge and 0.5C Discharge]	> 3500 cycles

Working Conditions

Working Temperature	Charging: 0°C – 45°C Discharging: -10°C – 65°C
Storage Temperature and Time	1 year @ 20°C, 6 months @ 30°C, 3 months @ 40°C
Safety Compliance	CE, UL, IEC
Protection Class	IP20

Note: Specifications are subject to change without notice.