



台塑電池

FORMOSA BATTERY



Product

LFPO Battery

ACCESSORIES : CONTROL BOX

Specification

24V/54Ah

Application

- UPS
- DC CHARGER
- HOME ENERGY STORAGE SYSTEM



台塑生醫

FORMOSA BIOMEDICAL

CELL

- UN 38.3
- UL 1642
- UL 1973E
- IEC 62133
- IEC 62619

BATTERY PACK

- UN 38.3
- UL 1973
- IEC 62619

FACTORY

- ISO 9001:2015



CERTIFICATION



Nominal Characteristics

Category	Item	Specification	Remarks
Capacity	Nominal Capacity	54AH	@1C DISCHARGE
Voltage	Rated Voltage	26.4V	3.2V for a cell
	Maximum Voltage	28.4V	3.55V for a cell
	End of Discharging Voltage	20.0V	2.50V for a cell
Charging	Charging Method	CC-CV	
	Charging Voltage	28.4V	3.55V for a cell
	Standard Charging Current	10.8A(0.2C)	
Discharging	Continuous Discharging	108A(2C)	At peak(3C) for 20 SEC
Environmental Conditions	Operation Temperature	MIN -10 °C	MAX 55 °C CHARGING MODE
		-30 °C	60 °C DISCHARGING MODE
	Storage Temperature	MIN -20 °C	MAX 55 °C Should be recharged every 180 days

Unless specified, all tests stated in this product specification are conducted at room temperature (defined as 25 °C±2 °C)

DISCHARGE RATE IN AMPERES to 2.84V per cell at 25 °C

VOLTAGE	CAPACITY		30 min	60 min	120 min	180 min	240 min	480 min
			24V	54Ah	A	108	54	27
		W	2,454	1,227	613	409	306.5	153

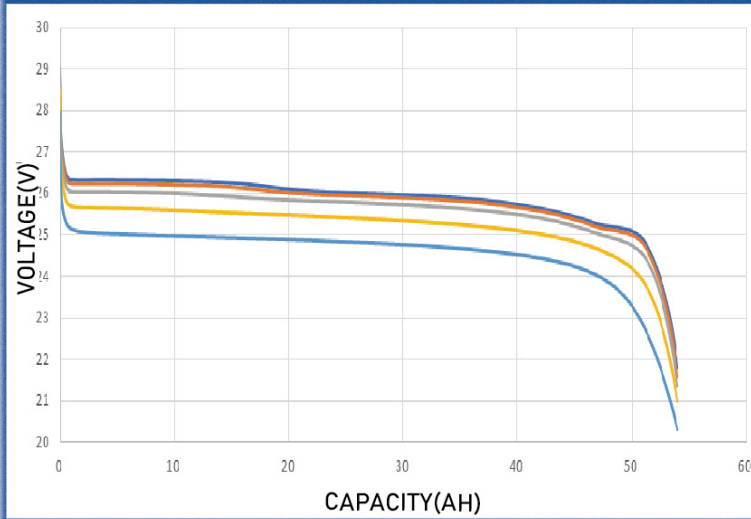
Performance may differ depending on, but not limited to cell usage and application. If cell is used out of specification, performance will decrease.

The information shown here in is for reference only and does not constitute a guarantee of performance.

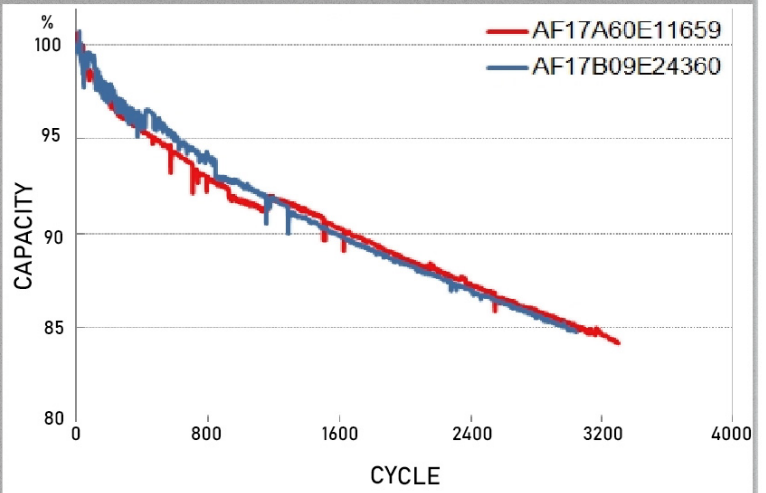


GRAPH OF PERFORMANCE CHARARISTICS

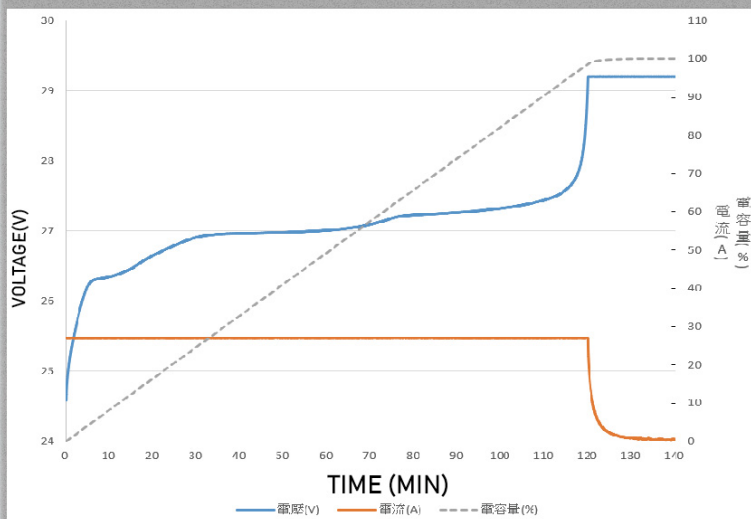
GRA. DISCHARGING



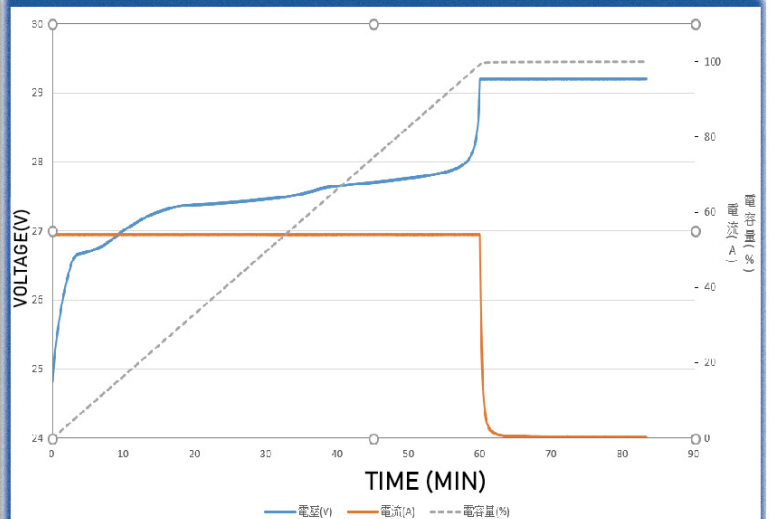
GRA. Life Cycle



GRA. 1C CHARGING



GRA. 2C CHARGING



Product Dimensions and Weight

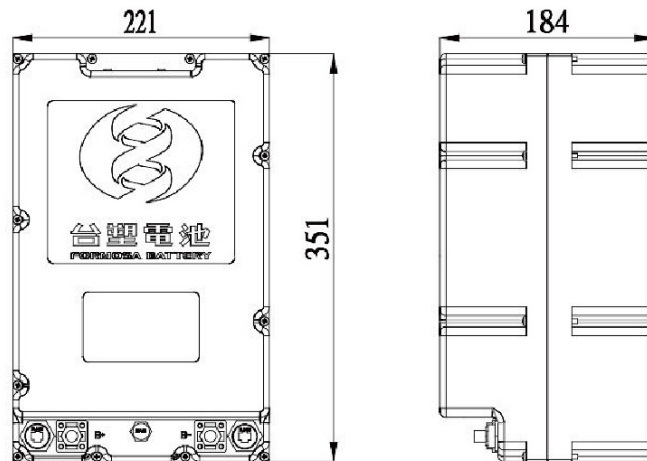
Fig. BATTERY PACK

Size mm

Length * Width * Height **351 * 221 * 184**

Weight

13.4 kg



Tolerance ±1mm

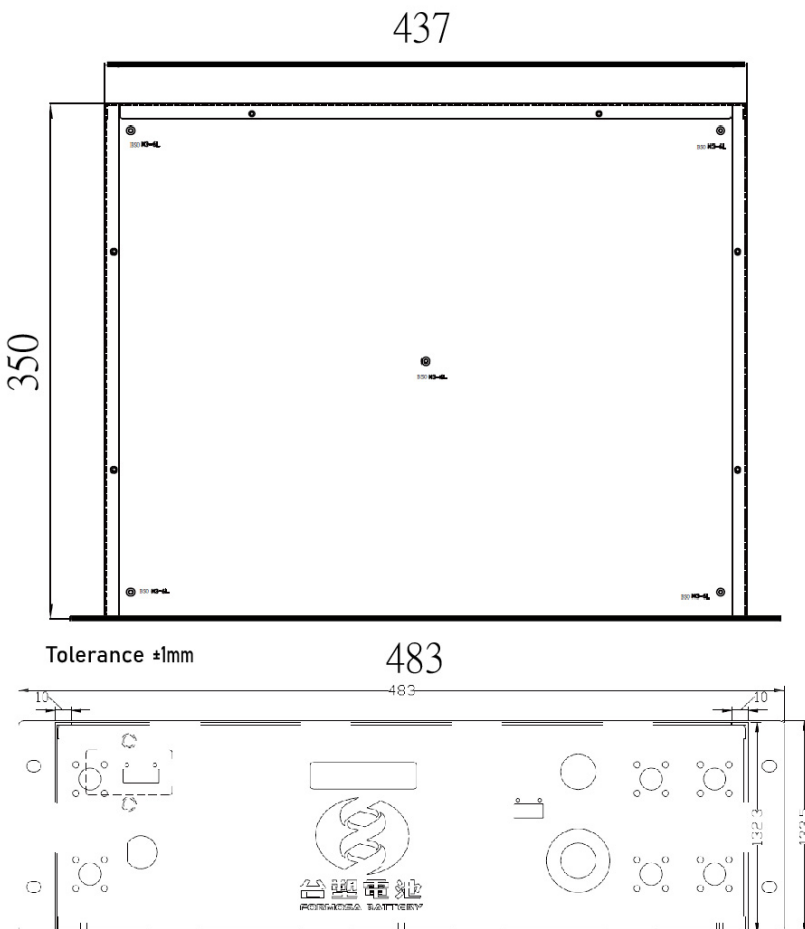
Fig. CONTROL BOX

Size mm

Length * Width * Height **483 * 350 * 133.5**

Weight

10 kg



Tolerance ±1mm

