



台塑電池

FORMOSA BATTERY



Product | LFP0 Battery

└ ACCESSORIES : CONTROL BOX

Specification | 48V/54Ah

Application | ■ ESS



台塑生醫

FORMOSA BIOMEDICAL



Nominal Characteristics

Category	Item	Specification	Remarks
Capacity	Nominal Capacity	54AH	@1C DISCHARGE
Voltage	Rated Voltage	52.8V	3.2V for a cell
	Maximum Voltage	56.8V	3.55V for a cell
	End of Discharging Voltage	40.0V	2.50V for a cell
Charging	Charging Method	CC-CV	
	Charging Voltage	56.8V	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 2.8V per cell at 25 °C

VOLTAGE	CAPACITY		30 min	60 min	120 min	180 min	240 min	480 min
			48V	54Ah	A	54	27	18
		W	4,098	2,454	1227	818	613.5	306.75

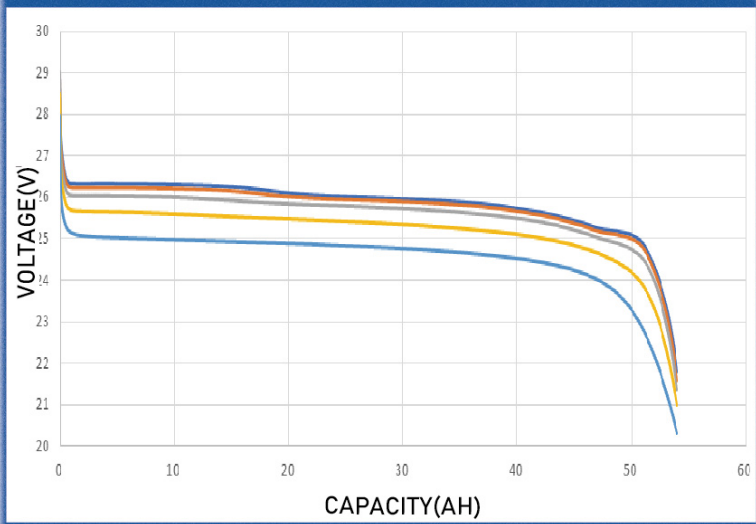
Performance may differ depending on, but not limited to cell usage and application. If cell is used out of specification, performance will decrease.

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

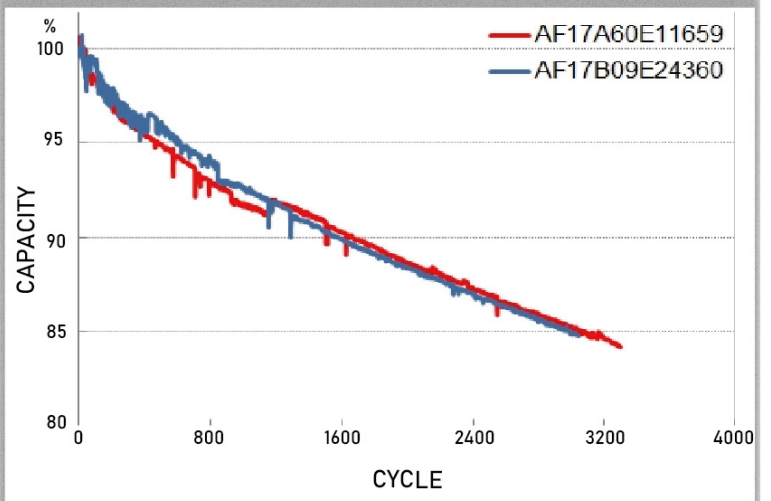


GRAPH OF PERFORMANCE CHARARISTICS

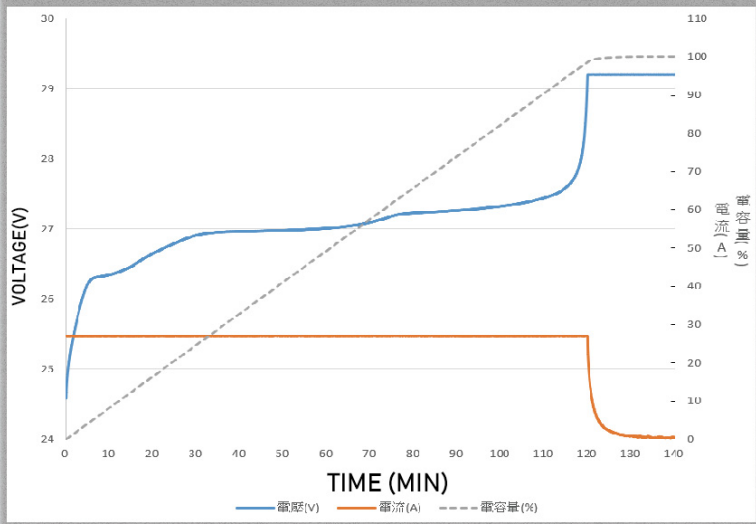
GRA. DISCHARGING



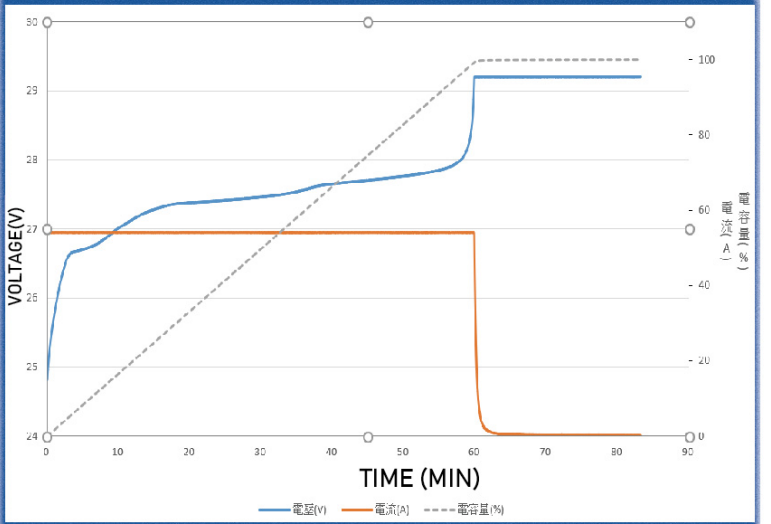
GRA. Life Cycle



GRA. 1C CHARGING



GRA. 2C CHARGING



Product Dimensions and Weight

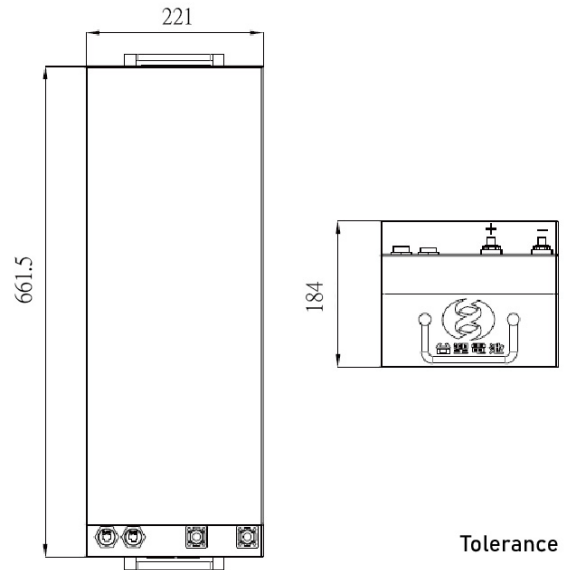
Fig. BATTERY PACK

Size mm

Length * Width * Height **661.5 * 221 * 184**

Weight

30 kg



Tolerance ±1mm

Fig. CONTROL BOX

Size mm

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

Weight

10 kg

