



### EV TKFM Series Battery

EV TKFM series battery is Deep Cycle battery specially designed for frequently charge and discharging application. By using heavy duty grids, thicker plates and specially active materials, which the battery can offer 80% more cycle life than general AGM batteries, they are special design for Tractor machinery power application.

#### Applications

- Garden Machinery
- Golf carts and Wheelchairs
- Floor Sweepers and Electric Vehicles
- Tractor machinery

#### General Features

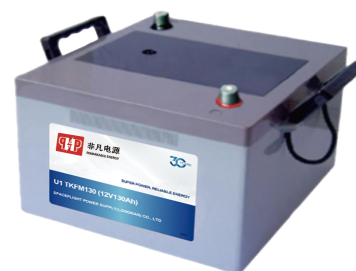
- Non-spillable construction
- Sealed and maintenance-free
- Excellent recovery from deep discharge
- High density active materials plates
- Long cycle life

#### Standards

- Compliance with IEC, BS, JIS and EU standards.
- UL, CE Certified
- ISO45001,ISO9001 and ISO14001 certified production facilities

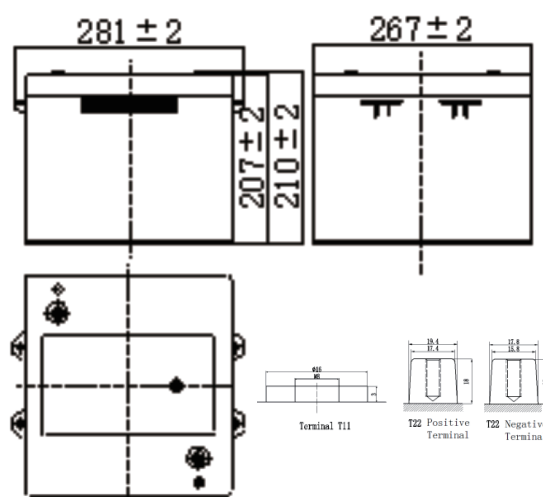
#### Specifications

Rated Voltage	12V	
Nominal Capacity	130Ah	(C <sub>20</sub> , 10.5V)
Approx Weight	39kg±3%(85.8lbs)	
Terminal	SAE	
Rated Capacity(25°C)	130Ah	(20hr, 6.5A, 10.5V)
	105 Ah	(10hr, 11.5A, 10.5V)
	100 Ah	(3hr, 33.3A, 9.6V)
	85 Ah	(1hr, 85A, 9.6V)
Max.Discharge Current	1000A(5s)	
Max.Charge Current	32A	
Reserve Capacity	240 Min	
Internal Resistance	2.0 MO	
Operating Temp.Range	Discharge	-20~60°C(-4~140°F)
	Charge	-10~50°C(14~122°F)
	Storage	-20~60°C(-4~140°F)
Nominal operating temperature	25±5°C	
Charge Voltage @25°C(77°F)	Cycle Use	Initial Charging Current less than 32A. Voltage 14.4V~15.0V at 25°C(77°F).
	Standby Use	Initial Charging Current less than 32A. Voltage 13.5V~13.8V at 25°C(77°F).
Temperature effects on capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
	-15°C (5°F)	65%
Self Discharge(25°C)	Capacity after 3 months storage	91%
	Capacity after 6 months storage	82%
	Capacity after 12 months storage	65%
CCA (EN50342)	1230A	
Cycle life at 80% DOD	700 cycles	
Cycle life at 50% DOD	1700 cycles	
Cycle life at 20% DOD	3500 cycles	



#### Dimensions

unit:mm



Lenght	281±2mm(11.06inches)
Width	267±2mm(10.51inches)
Container Height	207±2mm(8.27inches)
Total Height	210±2mm(8.15inches)

#### Battery Construction

Component	Positive plate	Negative plate	Container	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	Rubber	LEAD	AGM	Sulfuric acid

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