




# 6FM 45

## 12V 45Ah

### Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		45Ah
Dimensions	Total Height (with terminals)	6.69 inches (170mm)
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	Length	7.76 inches (197mm)
	Width	6.50 inches (165mm)
Weight		Approx.30.41lbs (13.8Kg)

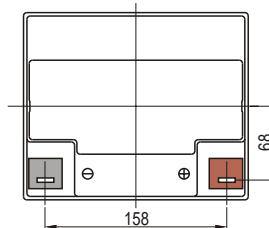
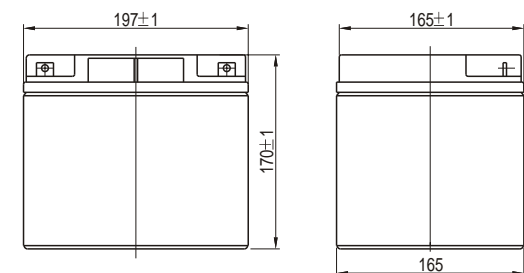
### Characteristics

Capacity* 77°F(25°C)	20 hour rate (2.25A)	45Ah
	10 hour rate (4.2A)	42Ah
	5 hour rate (7.2A)	36Ah
	1 hour rate (28A)	28Ah
	15 minute Rate (80A)	20.0Ah
Internal Resistance	Full charged Battery 77°F(25°C)	7.5mW
Capacity affected by Temperature (20 hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 68°F(20°C)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12 month storage	60%
Max. Discharge Current 77°F(25°C)	450A (5s)	
Terminal		F4
Charge (Constant Voltage)	Cycle	14.4-14.7V/77°F(25°C) Max. Current 13.5A
	Float	13.6-13.8V/77°F(25°C)

### Constant power discharge ratings-watts per cell at 25°C(77°F)

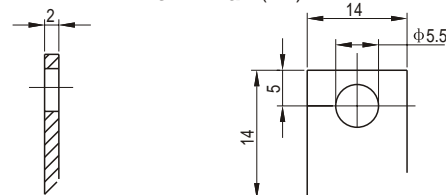
End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	255	169	142	83.0	70.0	55.0	34.0	22.0	14.0
1.65V	239	159	134	79.0	67.0	53.0	33.0	21.0	13.8
1.70V	223	149	127	75.0	63.0	50.0	32.0	21.0	13.5
1.75V	208	139	119	71.0	60.0	48.0	31.0	20.0	13.2
1.80V	192	130	111	66.0	57.0	45.0	29.0	19.0	12.9

\*The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values.



Unit:mm

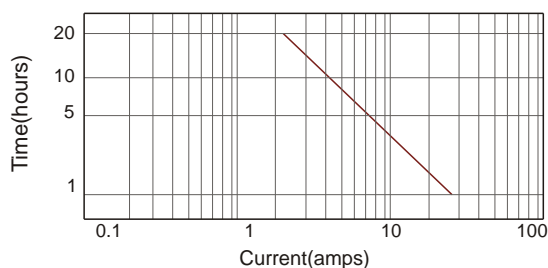
### Terminal (F4)



■ Optional Terminal: F11(See Page 9)

Unit:mm

### Discharge current v's time 77°F(25°C)



### Discharge characteristic (25°C)

