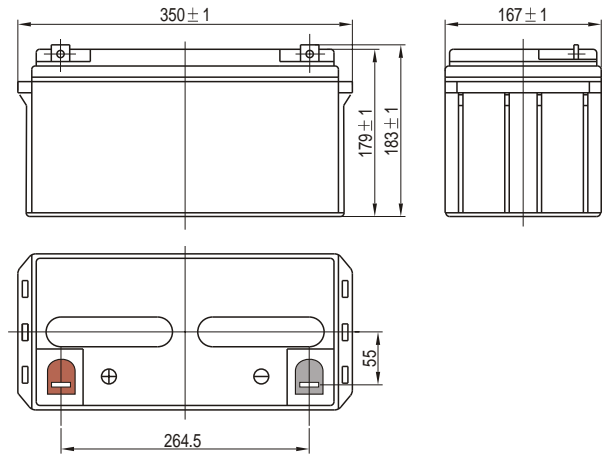




VISION **6FM 80**
12V 80Ah

■ **Specifications**

Nominal Voltage		12V
Rated Capacity (20 hour rate)		80Ah
Dimensions	Total Height (with terminals)	7.20 inches (183mm)
	Height	7.05 inches (179mm)
	Length	13.8 inches (350mm)
	Width	6.57 inches (167mm)
Weight		Approx.52.91lbs (24Kg)

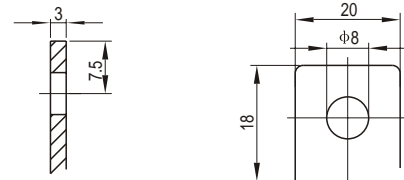


Unit:mm

■ **Characteristics**

Capacity* 77°F(25°C)	20 hour rate (4A)	80Ah
	10 hour rate (7.6A)	76Ah
Capacity affected by Temperature (20 hour rate)	5 hour rate (13.2A)	66Ah
	1 hour rate (49.5A)	49.5Ah
	15 minute Rate (140A)	35.0Ah
Internal Resistance	Full charged Battery 77°F(25°C)	5.5mW
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)	750A (5s)	
Terminal	F5	
Charge (Constant Voltage)	Cycle	14.4-14.7V/77°F(25°C) Max. Current 24A
	Float	13.6-13.8V/77°F(25°C)

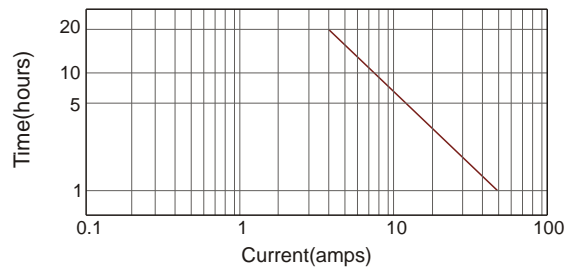
Terminal (F5)



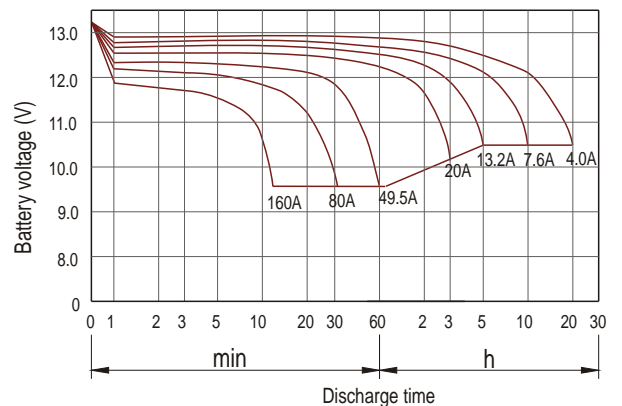
■ Optional Terminal: F11(See Page 9)

Unit:mm

Discharge current v's time 77°F(25°C)



Discharge characteristic (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	480	336	263	153	117	93.6	56.9	38.8	26.9
1.65V	465	327	257	149	114	91.3	55.4	37.7	26.9
1.70V	446	315	248	144	110	89.0	53.6	36.8	26.7
1.75V	421	300	240	139	103	85.8	51.3	35.9	26.3
1.80V	390	282	225	131	95.0	82.2	48.8	34.7	25.8

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