

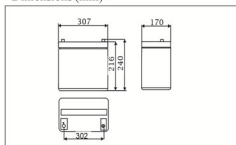
6GFM 80 (12V 80AH)

• Specification

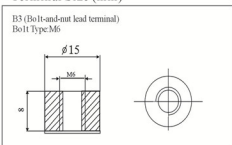
Nominal Voltage		12V
Nominal Capacity (10HR)		80AH
Dimensions	Length	307±1mm
	Width	170±1mm
	Container Height	216±2mm
	Total Height	240±2mm
Weight		25.5Kg
Standard Terminal		B3 (Bolt-and-nut lead terminal) Bolt Type M6



• Dimensions (mm)



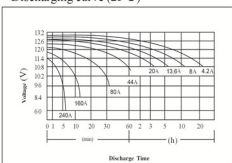
• Terminal Size (mm)



• Performance

Capacity (25°C)	20 hour rate (4.2A)	84.0Ah
	10 hour rate (8.0A)	80.0Ah
	5 hour rate (13.6A)	68.0Ah
	3hour rate (20.0A)	60.0Ah
	1hour rate (44.0A)	44.0Ah
Capacity affected by Temperature	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
Internal Resistance		Fully charged battery (25°C, 77°F) 6mΩ
Constant-Voltage Charge	Cycle	Constant Voltage 14.10~14.40V, The initial current is smaller than 22A
	Standby	Constant Voltage 13.50~13.80V, The initial current is smaller than 8.25A

• Discharging curve (25°C)



Constant Current (Amp) and Constant Power (Watt) Discharge Table at (25°C)

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1. 60V	A	296	216	152	92	48	28	21	16	13	9	8	4.5
	W	3143	2294	1614	977	556	324	238	185	153	108	97	52.5
1. 70V	A	261	197	136	87	45	27	20	16	13	9	8	4.4
	W	2895	2184	1510	968	522	309	232	181	150	105	95	51.2
1. 75V	A	251	187	128	85	44	26	20	15	13	9	8	4.4
	W	2849	2123	1451	962	506	302	226	178	148	105	94	50.6
1. 80V	A	242	178	120	82	42	25	19	15	13	9	8	4.3
	W	2812	2067	1397	959	492	296	222	174	145	102	93	50.3
1. 85	A	232	168	112	80	41	25	18	15	12	9	8	4.1
	W	2761	1999	1333	952	486	295	219	173	145	102	90	48.8