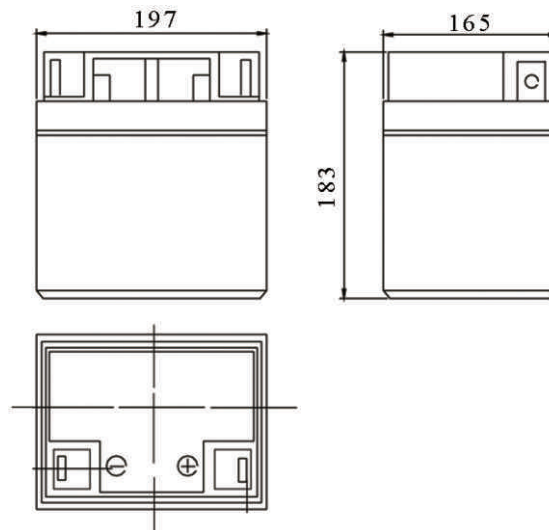


FM-12-42 12V42AH



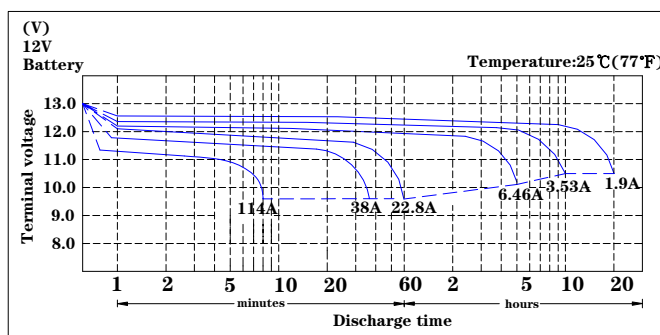
Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		42AH
Dimension	Total Height (with terminals)	183mm
	Height	175mm
	Length	197mm
	Width	165mm
Weight		Approx.12.2kg

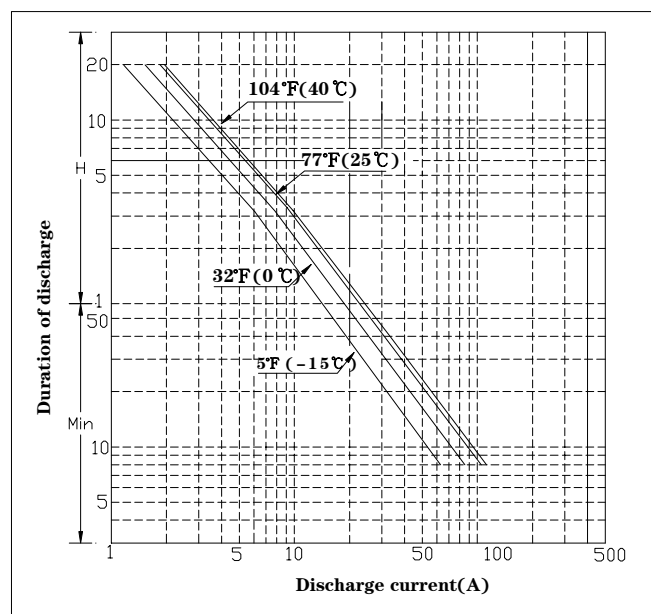
Characteristics

Capacity 77°F(25°C)	20 hour rate (1.9A to 10.5Volts)	42AH
	10 hour rate (3.53A to 10.5Volts)	35.3AH
	5 hour rate (6.46A to 10.2Volts)	32.3H
	1 hour rate (22.8A to 9.6Volts)	22.8AH
Internal Resistance	Full charged 77 °F (25°C)	10 mΩ
Standard Terminal	M6	
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 77°F(25°C)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Max. Discharge Current 77°F(25°C)	550A (5s)	
Maximum Charge Current(A)	7.6A	
Charging (Constant Voltage)	Cycle	14.5V ~ 14.9V/77°F(25°C)
	Float	13.6V ~ 13.8V/77°F(25°C)
Temperature compensation coefficient of charging voltage (mV/°C/cell)	Cycle	-4mV/°C/cell
	Float	-3mV/°C/cell

Discharge characteristics 77°F(25°C)



Duration of discharge vs. Discharge current



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	122	80	65	43.3	22.8	13.3	9.8	7.6	6.3	4.45	3.99	2.15
	W	1256	856	693	466	246	146	109	86	71	51	46	25.1
10.20V	A	118	72	61	41.4	21.4	12.7	9.5	7.4	6.2	4.33	3.91	2.09
	W	1259	808	681	465	242	146	110	86	72	51	46	24.5
10.50V	A	114	65	53	38.8	20.7	12.4	9.3	7.3	6.1	4.29	3.84	2.09
	W	1245	736	608	446	240	144	108	85	71	50	45	24.7
10.80V	A	110	61	49	35.7	20.1	12.1	9.0	7.2	5.9	4.18	3.80	2.05
	W	1233	703	570	414	234	142	107	85	70	50	45	24.4
11.10V	A	106	57	46	31.9	19.4	11.8	8.7	7.0	5.8	4.07	3.61	1.94
	W	1204	662	532	373	228	139	104	83	69	49	43.6	23.5

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