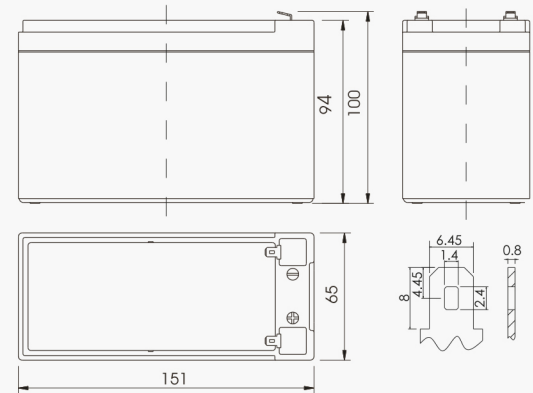


6-FM-7

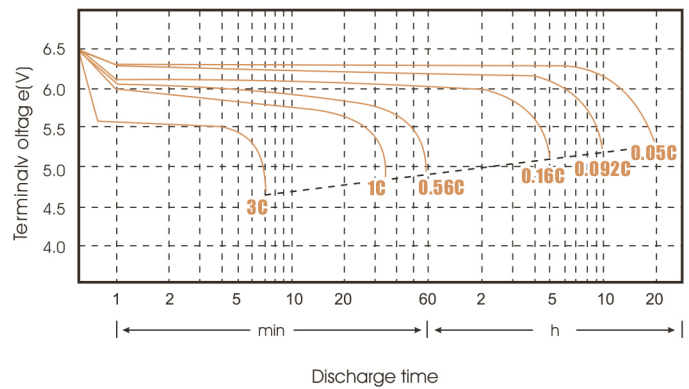
MAKELSAN®
Uninterruptible Power Supplies



Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		7.0Ah
Dimensions	Total Height (with terminals)	3.86inches(98mm)
	Height	3.70inches(94mm)
	Length	5.94inches(151mm)
	Width	2.56inches(65mm)
Weight		Approx. 4.64pound(2.11 kg)

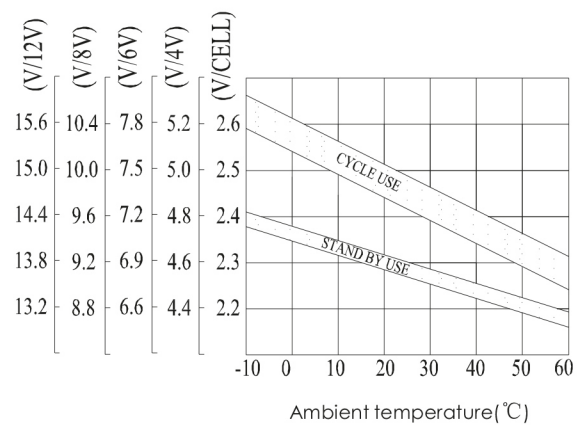
Discharge Curves 77°F(25°C)



Characteristics

Capacity 77°F(25°C)	20 hour rate (0.35A)	7.0Ah
	10 hour rate (0.65A)	6.5Ah
	5 hour rate (1.12A)	5.6Ah
	1 hour rate (4.2A)	4.2Ah
	15 minute Rate (12.3A)	3.1Ah
Internal Resistance	Full charged Battery 77°F(25°C)	23mΩ
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(20°C)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	81%
	Capacity after 12 month storage	60%
Max. Discharge Current 77°F(25°C)	105A(5S)	
Terminal	F1, F2	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 2.1A Voltage 14.4~14.7V/7°F(25°C)
	Float	Voltage 13.5~13.8V/77°F(25°C)

Relationship between charge voltage and temperature



Constant Power Discharge (WATTS @25°C)

F.V/Time	5 Min	10 Min	15 Min	30 Min	60 Min	2 H	3 H	4 H	5 H	10 H	20 H
9.6	297	190	154	86.2	53.3	30.5	21.4	17.2	14.5	79.5	4.26
9.9	290	185	149	84.2	52.0	29.5	21.2	17.0	14.5	78.9	4.24
10.2	277	177	144	82.6	50.6	29.1	21.0	16.9	14.4	78.3	4.23
10.5	266	171	139	81.9	49.4	28.8	20.9	16.7	14.2	78.3	4.21
10.8	250	169	132	79.6	47.9	28.0	20.6	16.3	14.1	7.66	4.14