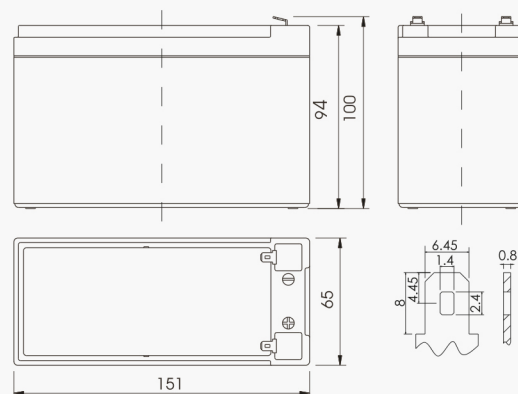


6-FM-9

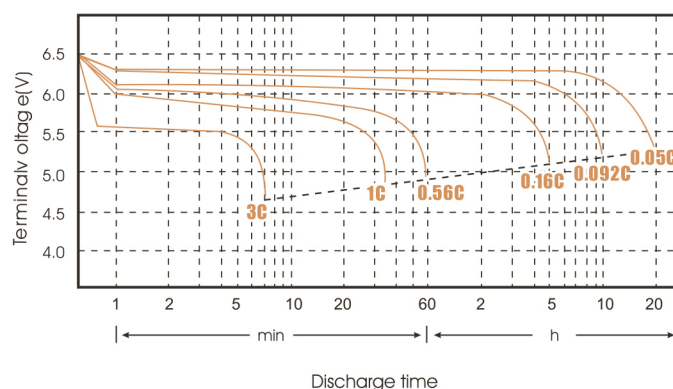
MAKELSAN®
Uninterruptible Power Supplies



Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		9Ah
Dimensions	Total Height (with terminals)	3.86inches(98mm)
	Height	3.70inches(94mm)
	Length	5.94inches(151mm)
	Width	2.56inches(65mm)
Weight		Approx. 5.61 pound(2.55kg)

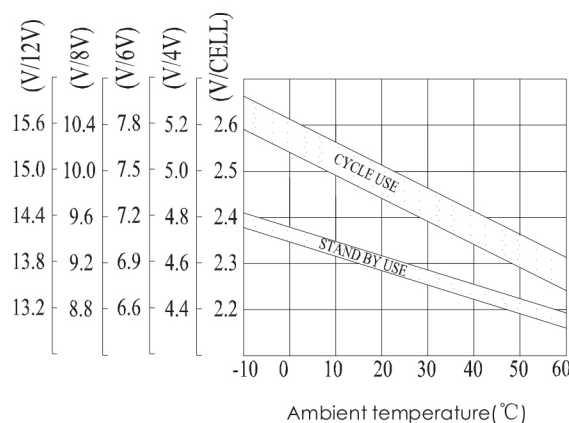
Discharge Curves 77°F(25°C)



Characteristics

Capacity 77°F(25°C)	20 hour rate (450mA)	9.0Ah
	10 hour rate (840mA)	8.4Ah
	5 hour rate (1.44A)	7.2Ah
	1 hour rate (5.4A)	5.4Ah
	15 minute Rate (15.6 A)	3.9 Ah
Internal Resistance	Full charged Battery 77°F(25°C)	20mΩ
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)	135A(5S)	
Terminal	F2	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 2.7A Voltage 14.4~14.7V/77°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 M in	10 M in	15 M in	30 M in	60 M in	2 H	3 H	4 H	5 H	10 H	20 H
9.6	382	245	198	110.8	68.5	39.2	27.5	22.1	18.7	102.3	5.48
9.9	373	238	191	108.2	66.9	37.9	27.2	21.9	18.6	101.5	5.46
10.2	357	228	185	106.2	65.1	37.4	26.9	21.7	18.5	100.7	5.44
10.5	342	219	178	105.3	63.6	37.0	26.8	21.5	18.3	100.7	5.42
10.8	322	218	169	102.3	61.6	36.0	26.5	21.0	18.1	98.5	5.33