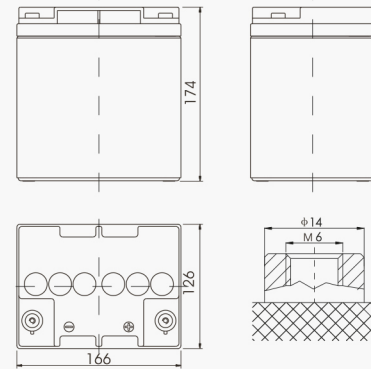


6-FM-24

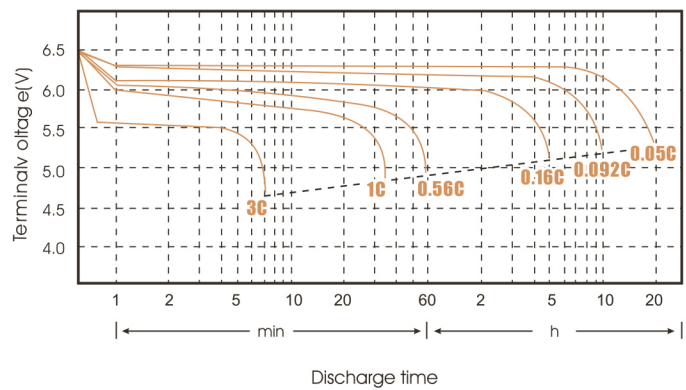
MAKELSAN®
Uninterruptible Power Supplies



Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		24Ah
Dimensions	Total Height (with terminals)	6.85inches(174mm)
	Height	6.85inches(174mm)
	Length	6.54inches(166mm)
	Width	4.96inches(126mm)
Weight		Approx. 18.81pound(8.55kg)

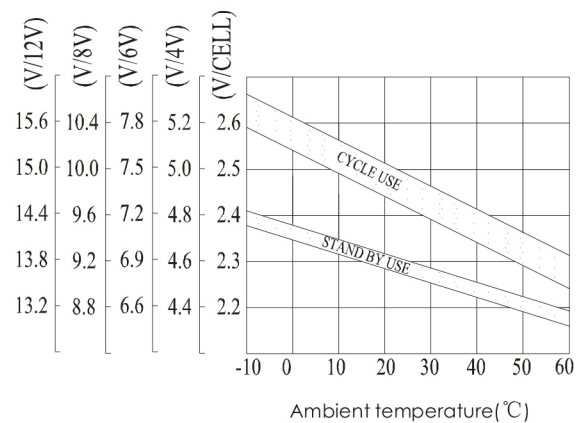
Discharge Curves 77°F(25°C)



Characteristics

Capacity 77°F(25°C)	20 hour rate (1.2A)	24Ah
	10 hour rate (2.23A)	22.3Ah
	5 hour rate (3.84A)	19.2Ah
	1 hour rate (14.4A)	14.4Ah
	15 minute Rate (42.2 A)	10.55Ah
Internal Resistance	Full charged Battery 77°F(25°C)	12mΩ
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)	360A(5S)	
Terminal	M1	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 7.2A 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	1019	653	529	295.5	182.8	104.6	73.3	58.9	49.8	272.7	14.60
9.9	995	635	510	288.5	178.4	101.1	72.6	58.4	49.7	270.6	14.55
10.2	951	608	494	283.3	173.6	99.9	71.8	57.9	49.3	268.5	14.50
10.5	911	585	476	280.8	169.5	98.6	71.6	57.4	48.8	268.6	14.45
10.8	859	580	451	272.8	164.3	95.9	70.6	56.0	48.3	26.26	14.20