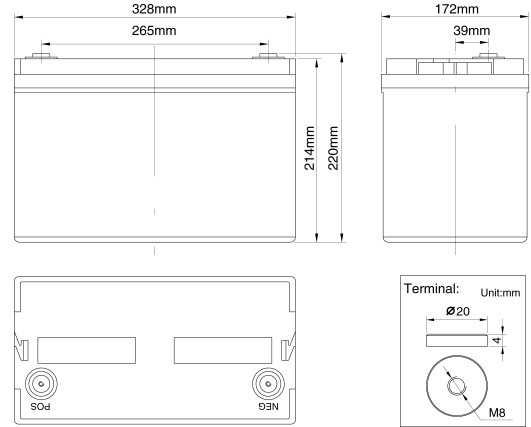


# DC100-12A



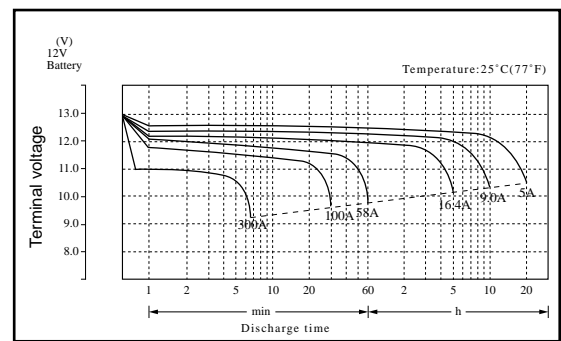
## Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		100AH
Dimension	Total Height (with terminals)	220mm(8.66inches)
	Height	214mm(8.43inches)
	Length	328mm(12.9inches)
	Width	172mm(6.77inches)
Weight		Approx.34.2kg(75.40lbs)

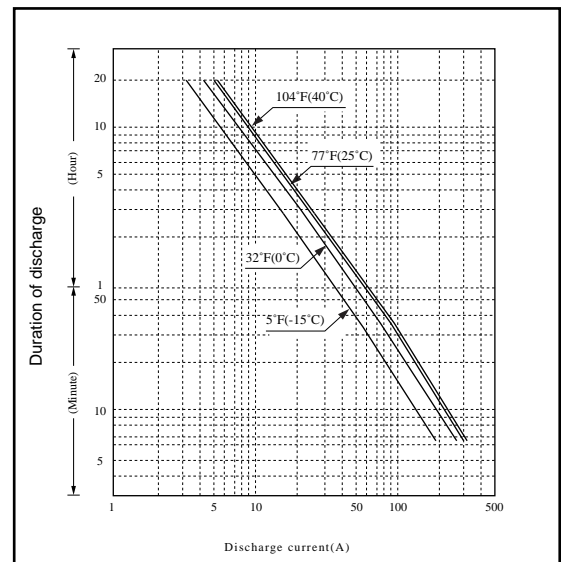
## Characteristics

Capacity 77°F(25°C)	20 hour rate(5A)	100AH
	10 hour rate(9.0A)	90AH
	5 hour rate(16.4A)	82AH
	1 hour rate(58A)	58AH
Internal Resistance	Full charged Battery 77°F(25°C)	3.5mΩ
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)		1500A(5S)
Terminal	Standard	F17
	Optional	
Charging (Constant Voltage)	Cycle	Initial Charging Current 20A Or Small 14.5V~14.9V/77°F(25°C)
	Float	13.6V~13.8V/77°F(25°C)

## Discharge characteristics 77°F(25°C)



## Duration of discharge vs. Discharge current



## Constant Power Discharge Watts Per Cell @ 77°F(25°C)

Cut off voltage V/cell	5M	10M	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	24H
1.60	628	459	367	223	160	125	73.7	51.4	34.8	23.0	19.4	16.8	8.70
1.65	616	454	362	221	158	124	74.1	51.0	34.8	23.0	19.4	16.8	8.70
1.67	608	449	357	219	157	123	73.7	50.6	34.8	23.0	19.4	16.8	8.70
1.70	588	434	343	214	153	122	73.4	50.2	34.8	23.0	19.4	16.8	8.70
1.75	562	415	328	205	149	120	72.8	49.6	34.4	22.6	19.2	16.8	8.70
1.80	536	397	313	197	145	118	72.1	49.0	33.9	22.2	18.8	16.5	8.70

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