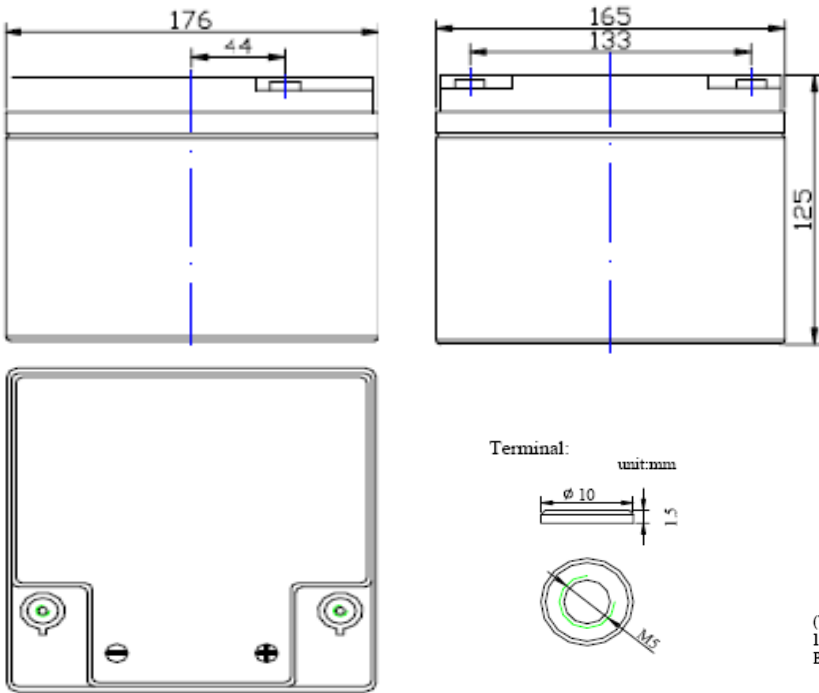
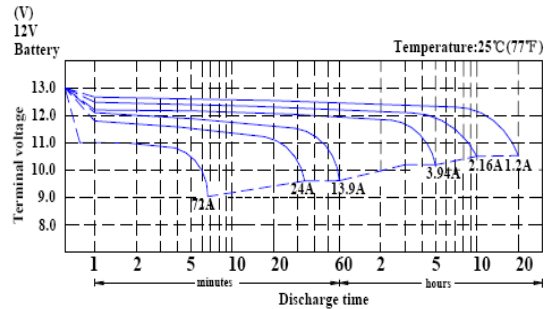


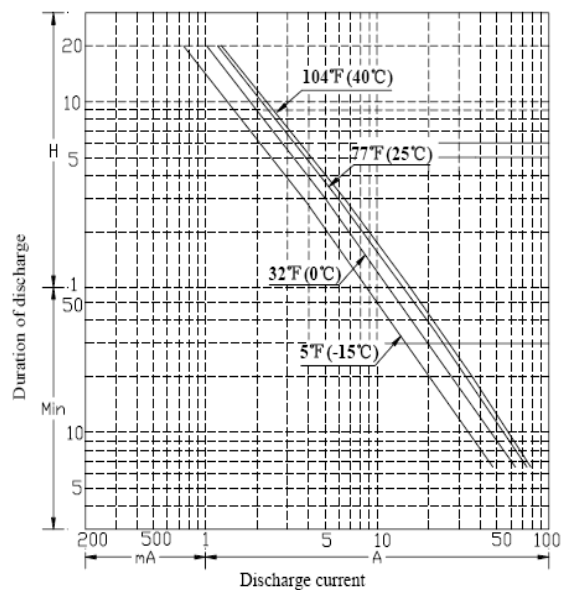
DEEP CYCLE BATTERIES



Discharge characteristics 25°C (77°F)



Duration of discharge vs. Discharge current



Specification

Nominal Voltage	12 V	
Nominal Capacity (20 Hr)	24 Ah	
Dimension	Length	176±1 mm (6,93 inches)
	Width	165±1 mm (6,50 inches)
	Container Height	125±1 mm (4,92 inches)
	Total Height (with terminal)	125±1 mm (4,92 inches)
Approx Weight	Approx 8,9 kg (19,62 lbs)	
Terminal	M5	
Container Material	ABS	
Rated Capacity	24 Ah	20 hr (1,2 A to 10,5 V)
	21,6 Ah	10 hr (2,16 A to 10,5 V)
	19,7 Ah	5 hr (3,94 A to 10,2 V)
Max Discharge Current	360 A (5 s)	
Internal Resistance	Approx 10,0 mΩ	
Operating Temperat. Range	Discharge : -15÷50°C (5÷122°F)	
	Charge : 0÷40°C (32÷104°F)	
	Storage : -15÷40°C (5÷104°F)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 4,8 A or smaller 14,5÷14,9V at 25°C (77°F) Temperature Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 13,6÷13,8 V at 25°C (77°F) Temperature Coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104°F) 102%	
	25°C (77°F) 100%	
	0°C (32°F) 85%	
Self Discharge	DC series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	
	Capacity after 3 month storage : 91%	
	Capacity after 6 month storage : 82%	
	Capacity after 12 month storage : 64%	

Constant Current Discharge Rating Amperes @ 25°C (77°F)

Cut off voltage V/cell	15 min	30 min	45 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1,75 V	35,0	22,00	17,00	13,60	7,20	5,40	3,80	2,60	2,16	1,84	1,20	1,0