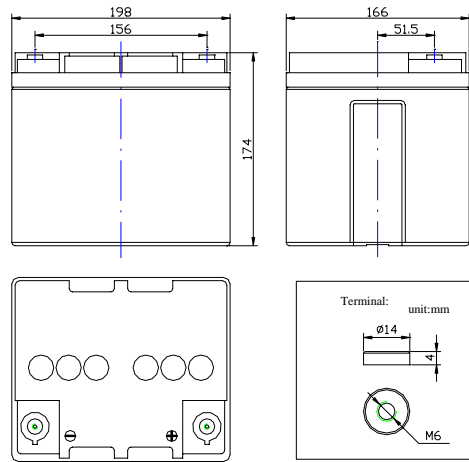


# HL40-12



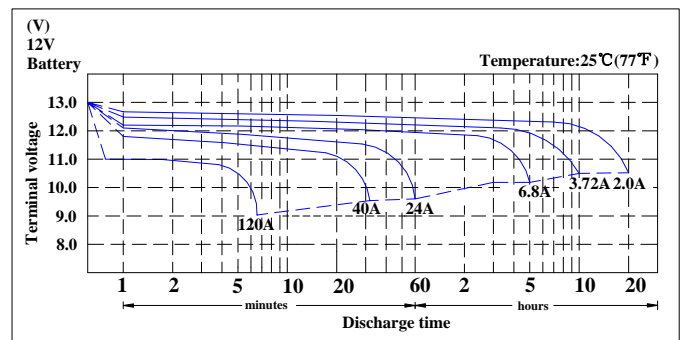
## Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		40AH
Dimension	Total Height (with terminals)	174mm(6.85inches)
	Height	174mm(6.85 inches)
	Length	198mm(7.80 inches)
	Width	166mm(6.54inches)
Weight		Approx.13.2kg (29.04lbs)

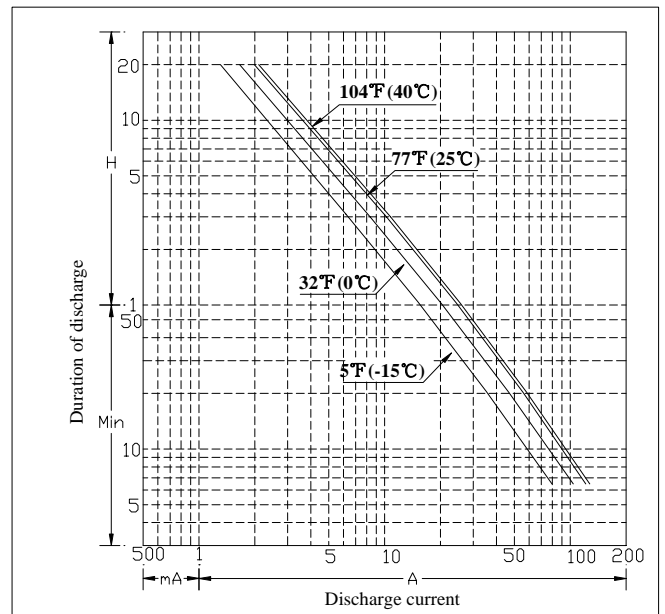
## Characteristics

Capacity 77°F (25°C)	20 hour rate (2.0A to 10.5Volts)	40AH
	5 hour rate (6.8A to 10.2Volts)	34AH
	1 hour rate (24A to 9.6Volts)	24AH
Internal Resistance	Full charged Battery 77°F (25°C)	9.0m Ω
Standard Terminal	M6	
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	88%
	Capacity after 6 month storage	76%
	Capacity after 12 month storage	53%
Max. Discharge Current 77°F (25°C)	600A (5s)	
Reserve Capacity (Minutes to 10.5V at 80°F (27°C))	@ 25Amps	55Min
	@ 75Amps	-
Charging (Constant Voltage)	Cycle	Initial Charging Current 8A 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 Current Discharge Rating Amperes @ 77 °F (25°C)

Cut off voltage V/cell	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	20H	24H
1.70V	66	39.1	28.5	22.6	13.1	9.91	6.74	4.57	3.73	3.18	2.01	1.68
1.75V	62	38.0	28.0	22.3	12.9	9.80	6.66	4.55	3.72	3.17	2.00	1.67