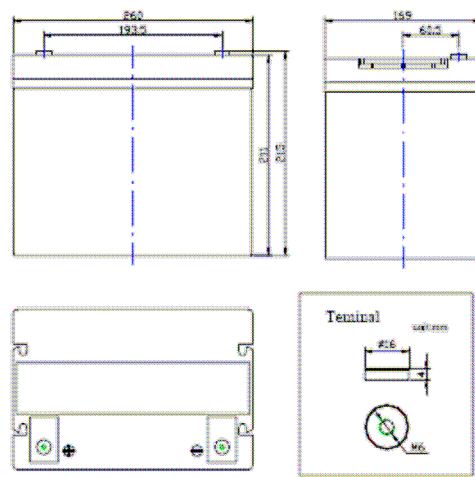




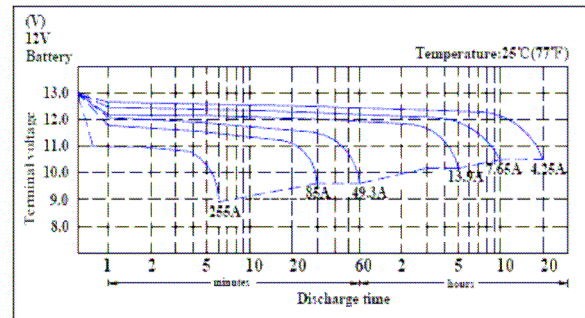
NPD12850 12V85AH



Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		85AH
Dimension	Total Height (with terminals)	215mm(8.46 inches)
	Height	211mm(8.31 inches)
	Length	260mm(10.24inches)
	Width	169mm(6.69inches)
Weight		Approx.25.1kg (55.34Ibs)

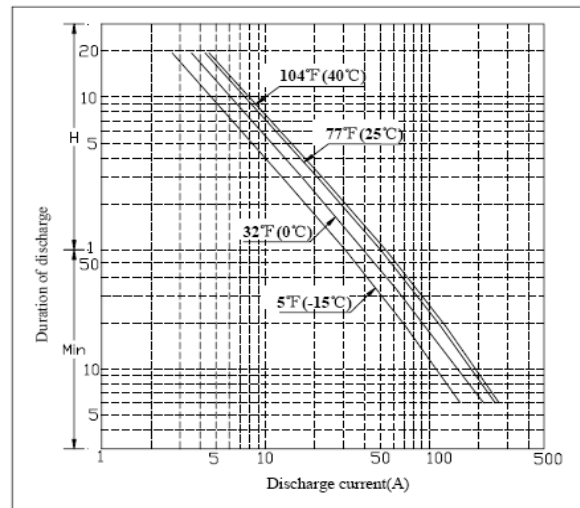
Discharge characteristics 77°F (25°C)



Characteristics

Capacity 77°F (25°C)	20 hour rate (4.25A to 10.5Volts)	85AH
	10 hour rate (7.65A to 10.5Volts)	76.5AH
	5 hour rate (13.9A to 10.2Volts)	69.5AH
Internal Resistance	Full charged Battery 77°F (25°C) 5.3mΩ	
	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%
Standard Terminal	M6	
Max. Discharge Current 77°F (25°C)	1000A (5s)	
Cranking Performance	Cranking Amps (30-sec amps to 7.2V @ 32° F (0° C))	600A
	Cold Cranking Amps (30-sec amps to 7.2V @ 0° F (-18° C))	510A
Reserve Capacity (Minutes to 10.5V at 80°F (27°C))	@ 25Amps	130Min
	@ 75Amps	34Min
Charging (Constant Voltage)	Cycle Initial Charging Current 17A Or Small 14.5V~14.9V/77°F (25°C)	
	Float 13.6V~13.8V/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
1.75V	123	79	58	48.3	25.6	19.2	13.5	9.2	7.65	6.52	4.25	3.56

Newton Power Deep Cycle Batteries

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and Battery designs/specification are subject to modification without notice. Contact YHI Power for latest information.