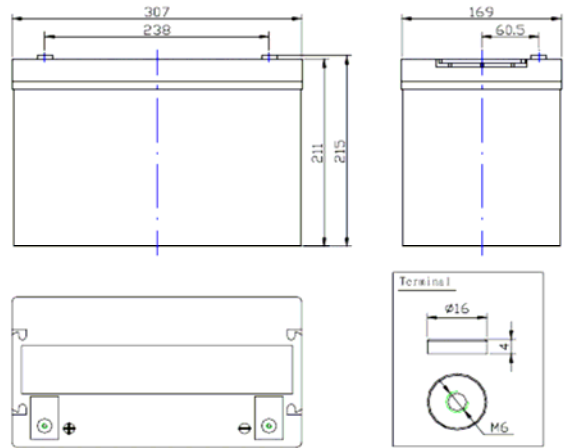


NPD12900 12V90AH



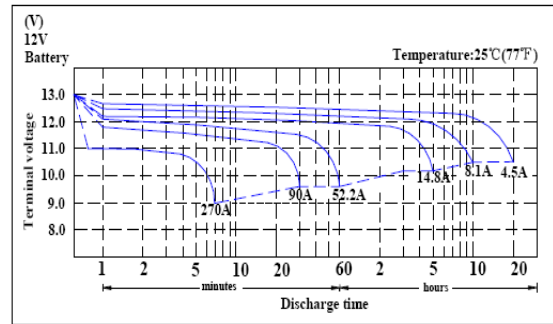
Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		90AH
Dimension	Total Height (with terminals)	215mm(8.46 inches)
	Height	211mm(8.31 inches)
	Length	307mm(12.09inches)
	Width	169mm(6.65inches)
Weight		Approx.28.7kg (63.14lbs)

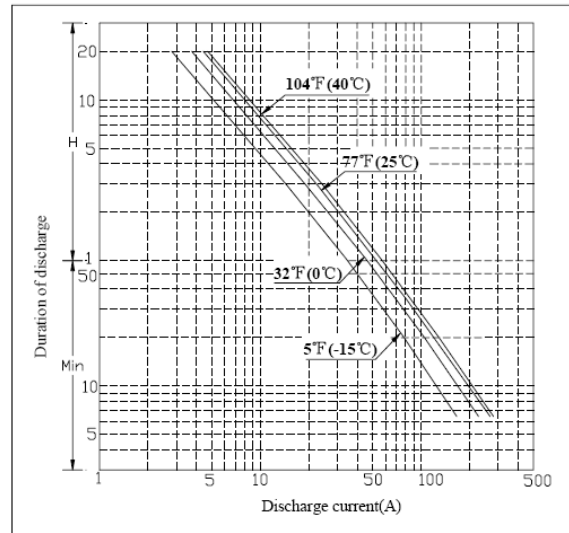
Characteristics

Capacity 77°F (25°C)	20 hour rate (4.5A to 10.5Volts)	90AH
	10 hour rate (8.1A to 10.5Volts)	81AH
	5 hour rate (14.8A to 10.2Volts)	74AH
Internal Resistance	Full charged Battery 77°F (25°C)	4.5m Ω
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)	630A
	Cold Cranking Amps (30-sec amps to 7.2V @ 0° F (-18° C)	530A
Reserve Capacity (Minutes to 10.5V at 80°F (27°C)	@ 25Amps	140Min
	@ 75Amps	38Min
Charging (Constant Voltage)	Cycle	Initial Charging Current 18A 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
1.75V	130	84	62	51.2	27.1	20.4	14.3	9.8	8.10	6.90	4.50	3.77

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.