

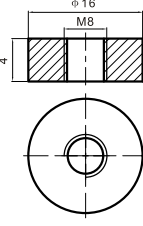
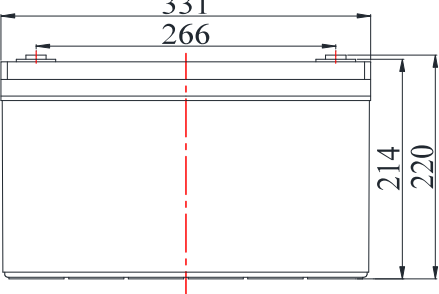
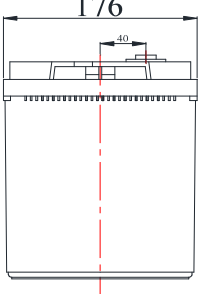
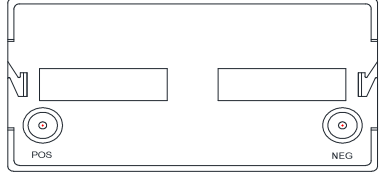
NPD121200B (DEEP CYCLE AGM BATTERY)

12V 120Ah



Neuton Power NPD series are designed with AGM (Absorbent Glass Mat) technology for applications that typically discharge 60% to 70% or more of the battery capacity. The battery is typically feature thick plates with high density active material. The thick battery plates allow for reserve energy to be stored deep within the battery plates and released during slow discharging such as trolling or solar applications. The high density material remains within the batteries' plate/grid structure longer, resisting the normal degradation found in cycling conditions. The battery is typically used for great extent discharge and recharged.

Performance Characteristics		
General Information	Length	331 mm
	Width	176 mm
	Height	214 mm
	Total Height	220 mm
	Approx Weight	33 kg $\pm$ 3%
	Nominal Voltage	12 Volt
	Number of Cells	6
	Nominal Capacity (20 hour rate)	120 Ah
	Terminal	M8
Nominal Capacity 77°F (25°C)	10 hour rate (9.1A, 10.8V)	100.1 Ah
	5 hour rate (15.9A, 10.5V)	87.5 Ah
	1 hour rate (55.6A, 9.6V)	61.2 Ah
Internal Resistance	Fully Charged Battery 77°F (25°C) $\leq$ 5.5 m Ω	
Operating Temperature	-20°C ~ 50°C	
Constant voltage charging @ 77°F (25°C)	Initial charging current	$\leq$ 21.6 A
	Boost charging voltage	14.4V to 14.9V
	Float charging voltage	13.6V to 13.8V

Outer Dimension		
Terminal M8		
		
		

Constant Current Discharge Data (Amperes at 25°C)									
F.V/Time	15Min	30Min	45Min	1Hr	3Hr	5Hr	8Hr	10Hr	20Hr
1.60V	141.6	90.4	66.4	61.2	27.3	18.5	12.2	10.89	6.4
1.67V	139	88.8	65.2	60	26.7	18.2	12	10.67	6.3
1.70V	136.4	87.1	64	58.9	26.3	17.8	11.8	10.45	6.1
1.75V	133.9	85.5	62.8	57.8	25.7	17.5	11.6	10.34	6
1.80V	128.7	82.2	60.4	55.6	24.8	16.8	11.1	10.01	5.8

Constant Power Discharge Data (Watts per cell at 25°C)									
F.V/Time	15Min	30Min	45Min	1Hr	2Hr	3Hr	5Hr	8Hr	10Hr
1.60V	272.5	174	127.9	117.4	74.6	52.4	35.6	23.4	21
1.67V	267.5	170.8	125.5	115.3	73.3	51.5	35	23.1	20.6
1.70V	262.6	167.6	123.2	113.1	71.9	50.5	34.3	22.7	20.2
1.75V	257.6	164.5	120.9	111	70.5	49.5	33.7	22.2	19.8
1.80V	247.7	158.2	116.3	106.7	67.9	47.6	32.5	21.3	19

* The above characteristics data are average values obtained within three charge/discharge cycles of a sample battery. It is not intent to make or imply any representation; guarantee or warranty with respect to any battery cell. Battery cell designs/specifications are subject to modify without prior notice.