


NPL12200 (VRLA AGM BATTERY)

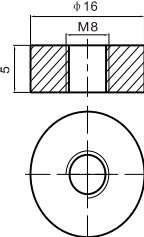
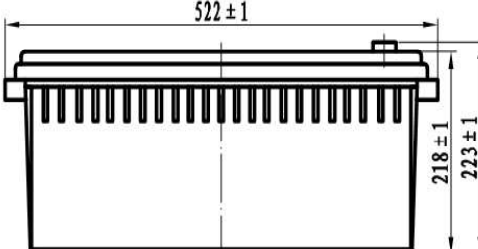
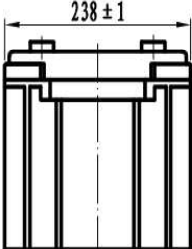
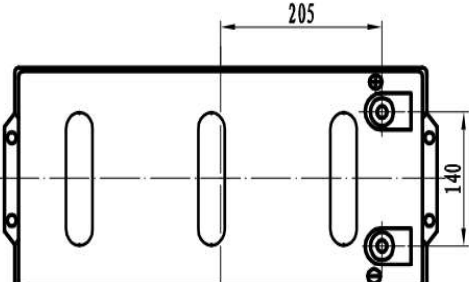
12V 200Ah



Neutron Power NPL series are designed with AGM (Absorbent Glass Mat) technology and for general-purpose applications, such as UPS, telecom, and electrical utilities. These batteries comply to most popular international standards, such as IEC60896-21/22, BS6290-4, Eurobat Guide. The battery container and cover are available both in V0 class flame retardant ABS or HBO ABS plastics too.

Neutron Power batteries meet the standards JIS, DIN, IEC60896-21/22 & BS6290-4. We have obtained ISO9001 & ISO14001 certification, UL approval (MH46127) and CE approval for all types of batteries. All these render our batteries to be compatible with requirements of world-level equipments.

Performance Characteristics		
General Information	Length	522mm (20.6 Inch)
	Width	238mm (9.37 Inch)
	Height	218mm (8.58 Inch)
	Total Height	223mm (8.78 Inch)
	Approx Weight	65 Kg
	Nominal Voltage	12 Volt
	Number of Cells	6
	Nominal Capacity (10 hour rate)	200 Ah
	Design float life expectancy under normal operation conditions at 25°C	10 Years
	Terminal	M8
	Casing Material	Standard (ABS)
Optional - V0 Class Flame Retardant (ABS)		
Nominal Capacity 77°F (25°C)	10 hour rate (20.0A, 10.8V)	200 Ah
	5 hour rate (36.0A, 10.5V)	180 Ah
	1 hour rate (128.0A, 9.60V)	128 Ah
Internal Resistance	Fully Charged Battery 77°F (25°C) ≤ 4 mOhms	
Self Discharge	3% of capacity declined per month at 20°C (average)	
Operating Temperature Range	Discharge	-20 ~ 60°C
	Charge	-10 ~ 60°C
	Storage	-20 ~ 60°C
Max. Discharge 77°F (25°C)	1000A (5s)	
Short Circuit Current	3300A	
Charge Methods	Constant Voltage Charge 77°F (25°C)	
	Cycle use 2.40 - 2.45VPC	
	Standby use 2.20 - 2.30VPC	
	Temperature compensation -20mV/°C	
	Maximum charging current 60A	
Battery Certification	 MH46127 UL CERTIFIED - MH46127	

Outer Dimension		
Terminal M8 		
		

* The above characteristics data are average values obtained within three charge/discharge cycles not the minimum value. Neutron Power reserves the rights update the data information without prior notice.

Constant Current Discharge Data (Amperes at 25°C)								
F.V/Time	10Min	15Min	30Min	45Min	1Hr	3Hr	5Hr	10Hr
1.60V	--	360	220	159	128	57.6	38.2	20.4
1.65V	--	350	212	153	124	55.6	37.2	20.3
1.70V	--	337	206	149	120	55	36.6	20.2
1.75V	--	319	200	145	117	53.4	36	20.1
1.80V	--	269	187	140	114	51	35.4	20

Constant Power Discharge Data (Watts per cell at 25°C)								
F.V/Time	10Min	15Min	30Min	45Min	1Hr	2Hr	3Hr	5Hr
1.60V	--	625	402	294	230	109	73	40.2
1.65V	--	604	390	286	225	107	72	39.2
1.70V	--	586	382	279	221	105	71.2	38.4
1.75V	--	578	372	274	217	101	70.2	37.6
1.80V	--	554	364	270	215	98	69.3	36.7

