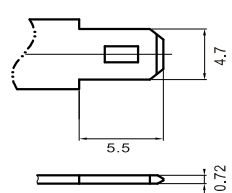
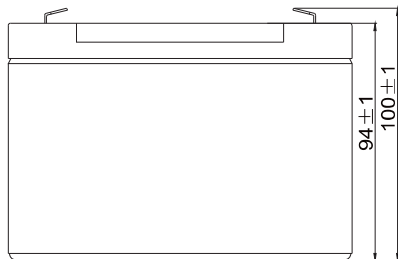
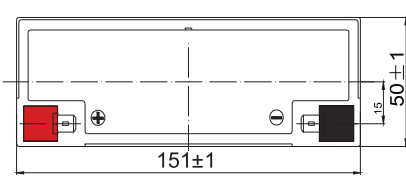
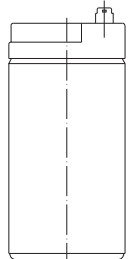




Neutron Power NP series are designed with AGM (Absorbent Glass Mat) technology and for general-purpose applications, such as UPS, telecom, and electrical utilities. These batteries are comply to most popular international standards, such as IEC60896-21/22, BS6290-4, Eurobat Guide. The battery container 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	151mm (5.94 inch)
	Width	50mm (1.97 inch)
	Height	94mm (3.70 inch)
	Total Height	100mm (3.94 inch)
	Approx Weight	1.17 Kg
	Nominal Voltage	6 Volt
	Number of Cells	3
	Nominal Capacity (20 hour rate)	7.5 Ah
	Design float life expectancy under normal operation conditions at 25°C	3 ~ 5 Years
	Terminal	F1
Casing Material	Standard (ABS)	
	Optional - V0 Class Flame Retardant (ABS)	
Nominal Capacity 77°F (25°C)	20 hour rate (0.60A, 5.25V)	12.0 AH
	10 hour rate (1.089A, 5.25V)	10.89 AH
	5 hour rate (1.980A, 5.25V)	9.9 AH
	1 hour rate (6.120A, 5.25V)	6.12 AH
Internal Resistance	Fully Charged Battery 77°F (25°C) ≤ 10 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)	180A (5s)	
Short Circuit Current	600A	
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 3.0A	
Battery Certification	 MH46127 UL CERTIFIED - MH46127	

Outer Dimension		
Terminal F1		
		
		

* 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	5Min	10Min	15Min	30Min	1Hr	3Hr	5Hr	10Hr	20Hr
1.60V/Cell	40.07	27.45	19.21	12.20	6.671	3.237	2.158	1.186	0.642
1.67V/Cell	38.97	26.70	18.68	11.86	6.487	3.148	2.098	1.154	0.624
1.70V/Cell	37.86	25.94	18.15	11.52	6.304	3.058	2.039	1.121	0.611
1.75V/Cell	36.76	25.19	17.62	11.19	6.120	2.969	1.980	1.089	0.600
1.80V/Cell	36.08	24.72	17.30	10.98	6.007	2.915	1.943	1.068	0.589

Constant Power Discharge Data (Watts per cell at 25°C)									
F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr
1.60V/Cell	78.14	53.54	37.46	23.78	13.01	8.12	6.31	4.96	4.21
1.67V/Cell	75.99	52.06	36.43	23.13	12.65	7.89	6.14	4.83	4.09
1.70V/Cell	73.83	50.59	35.40	22.47	12.29	7.67	5.96	4.69	3.98
1.75V/Cell	71.68	49.12	34.37	21.82	11.93	7.45	5.79	4.55	3.86
1.80V/Cell	70.37	48.21	33.74	21.42	11.71	7.31	5.68	4.47	3.79

