

## PXL12180B1

- HIGH RATE  
LONG LIFE TYPE -

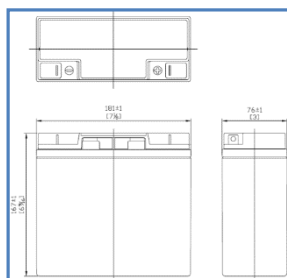


### Specifications

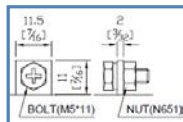
Nominal Voltage	12V
Rated Capacity (20 hour rate)	18Ah
Weight	14.77 lbs. (6.7 kg)
Case Material	Synthetic Resin (ABS)

### Dimensions

Length	7.13 inch (181.0mm)
Width	2.99 inch (76.0mm)
Height	6.57 inch (167.0mm)



**Standard Terminal**  
B1 : M5 Bolt and Nut type



### Characteristics

Energy Density	1.54 Watt-hours/cubic inch
Specific Energy	14.6 Watt-hours/pound
Maximum Discharge Current with Standard Terminals	108 A
Maximum Short Duration Discharge Current	270 A (less than 5 sec.)
Vibration Test	No Loss Capacity or Performance (2000 cycles/minute, 0.10 excursion, 2 hours)
Charge Retention (Shelf Life)	% of Nominal Capacity at 77°F (25°C) 1 month 97% 3 month 90% 6 month 80%
Recommended Ambient Temperature Range	Charge : 32°F (0°C) to 104°F (40°C) Discharge : -4°F (-20°C) to 122°F (50°C) Storage : -4°F (-20°C) to 104°F (40°C)
Internal Resistance of Fully Charged Battery	20 Milliohms

### Charging

Recommended Charging Methods	<b>CYCLE USE :</b> Maximum Initial Charge Current : 4.5A Charging Voltage : 14.4 ~14.7V Charge Should Be Switched to Float Mode or Disconnected When Current Drops to 180mA
	<b>STANDBY USE (Float) :</b> Maximum Initial Charge Current : 4.5A Charging Voltage : 13.5 ~13.8V

End of Discharge Voltage		Discharge Time										
		10M	15M	30M	1H	2H	3H	4H	5H	8H	10H	20H
10.8V	W	456.67	335.41	193.01	112.93	66.65	48.33	38.93	32.56	22.05	18.45	10.17
	A	37.61	27.85	15.81	9.25	5.47	3.96	3.20	2.68	1.80	1.50	0.86
10.5V	W	477.84	351.74	199.25	116.75	68.92	49.86	40.19	33.57	22.79	19.06	10.53
	A	39.54	29.79	16.75	9.50	5.67	4.07	3.31	2.75	1.86	1.55	0.90
10.2V	W	501.20	367.61	205.48	120.31	70.97	51.37	41.47	34.58	23.51	19.64	10.87
	A	41.33	31.00	17.25	9.77	5.85	4.21	3.40	2.84	1.93	1.60	0.94
9.6V	W	540.33	392.04	218.19	127.94	75.29	54.68	44.01	36.63	24.95	20.86	11.52
	A	44.58	32.96	18.40	10.49	6.23	4.48	3.60	2.99	2.05	1.70	0.99