

## PE12V40B2

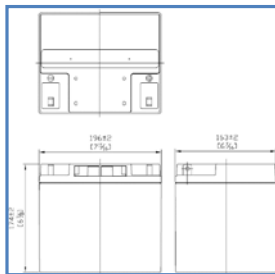


### Specifications

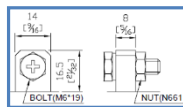
Nominal Voltage	12 V
Rated Capacity (20 hour rate)	40 Ah
Weight	30.86 lbs. (14.00 kg)
Case Material	Synthetic Resin (ABS)

### Dimensions

Length	7.72 inch (196.0mm)
Width	6.42 inch (163.0mm)
Height	6.85 inch (174.0mm)



**Standard Terminal**  
B2 : M6 Bolt and Nut type



### Characteristics

Energy Density	1.41 Watt-hours/cubic inch
Specific Energy	15.6Watt-hours/pound
Maximum Discharge Current with Standard Terminals	240 A
Maximum Short Duration Discharge Current	600 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	15 milliohms

### Charging

Recommended Charging Methods	<b>CYCLE USE :</b> Maximum Initial Charge Current : 10A Charging Voltage : 14.4 ~14.7V Charge Should Be Switched to Float Mode or Disconnected When Current Drops to 400mA
	<b>STANDBY USE (Float) :</b> Maximum Initial Charge Current : 10A Charge 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	966.50	723.65	420.50	250.95	148.10	107.40	86.50	72.35	49.00	41.00	22.60
	A	79.60	60.09	34.45	20.55	12.15	8.80	7.10	5.95	4.00	3.34	1.92
10.5V	W	1011.29	758.87	434.10	259.45	153.15	110.80	89.30	74.60	50.65	42.35	23.40
	A	83.69	63.04	35.45	21.10	12.60	9.05	7.35	6.10	4.14	3.45	2.00
10.2V	W	1060.74	793.12	447.65	267.35	157.70	114.15	92.15	76.85	52.25	43.65	24.15
	A	87.48	65.61	36.50	21.70	13.00	9.35	7.55	6.30	4.28	3.56	2.09
9.6V	W	1143.55	845.82	475.35	284.30	167.30	121.50	97.80	81.40	55.45	46.35	25.60
	A	94.34	69.76	38.95	23.30	13.85	9.95	8.00	6.65	4.56	3.78	2.20