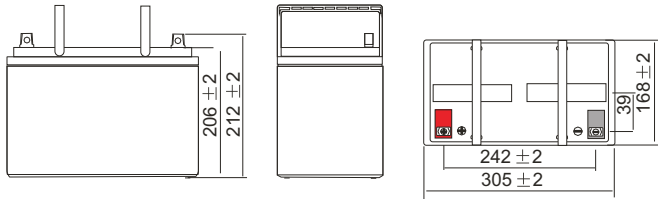


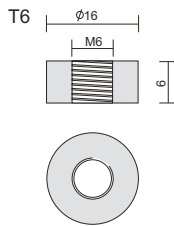


PS-121000 12V 100AH

Dimensions (mm)



Standard Terminal (mm)



Physical Specification

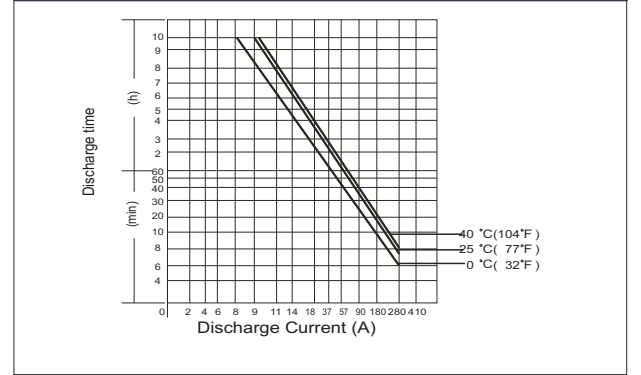
| | | |
|-------------------------|------------------------------|-------------|
| Nominal Voltage | | 12V |
| Nominal Capacity (20HR) | | 100AH |
| Dimension | Length | 305 ± 2mm |
| | Width | 168 ± 2mm |
| | Container Height | 206 ± 2mm |
| | Total Height (with Terminal) | 212 ± 2mm |
| Weight | | Approx 27Kg |
| Standard Terminal | | T6 |

Electrical Specification

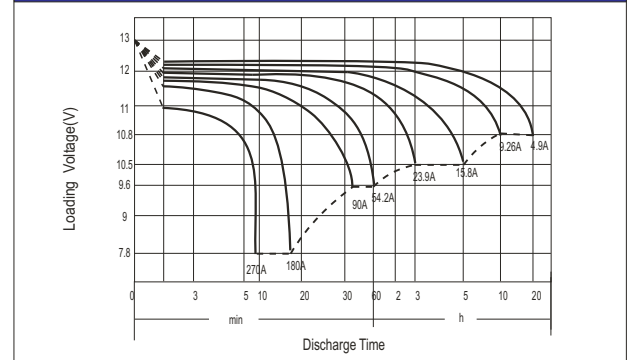
| | | | | | |
|----------------------------------|----------------------|--------|------------------|---------|--|
| Rated Capacity | 20 hour rate (5.0A) | 98AH | Constant-Voltage | Cycle | Initial Charging Current less than 42A. Voltage 14.4V~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C |
| | 10 hour rate (9.62A) | 96AH | | | |
| | 5 hour rate (16.8A) | 84AH | | | |
| | 1 hour rate (54.2A) | 54.2AH | | | |
| Capacity affected by Temperature | 40°C (104°F) | 103% | Charge | Standby | No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F) Temp. Coefficient - 20mV/°C |
| | 25°C (77°F) | 100% | | | |
| | 0°C (32°F) | 86% | | | |



Discharging Current & Discharge Duration Time



Discharge Characteristics (25°C, 77°C)



Constant Current Discharge Characteristics Unit: Amperes (25°C, 77°F)

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR | 4HR | 5HR | 8HR | 10HR | 20HR |
|----------|-------|-------|-------|-------|------|------|-------|------|------|------|------|------|
| 1.60V | 333.7 | 232.1 | 176.4 | 103.9 | 58.7 | 36.1 | 27.60 | 22.3 | 18.0 | 11.9 | 10.1 | 5.24 |
| 1.67V | 287.8 | 207.2 | 160.0 | 96.4 | 55.9 | 34.6 | 26.30 | 21.2 | 17.2 | 11.7 | 9.91 | 5.19 |
| 1.70V | 274.4 | 198.1 | 155.1 | 93.3 | 54.8 | 34.0 | 25.70 | 20.9 | 17.0 | 11.7 | 9.81 | 5.15 |
| 1.75V | 249.2 | 181.7 | 145.3 | 89.6 | 54.2 | 32.7 | 24.60 | 20.0 | 16.8 | 11.6 | 9.71 | 5.05 |
| 1.80V | 221.0 | 165.4 | 133.0 | 86.3 | 50.8 | 31.5 | 23.62 | 19.5 | 16.2 | 11.3 | 9.62 | 5.00 |
| 1.85V | 164.6 | 129.4 | 110.1 | 73.2 | 45.3 | 28.9 | 22.80 | 18.7 | 15.0 | 10.6 | 9.08 | 4.95 |

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR | 4HR | 5HR | 8HR | 10HR | 20HR |
|----------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|------|
| 1.60V | 3319.4 | 2367.0 | 1851.8 | 1136.6 | 661.9 | 410.9 | 316.8 | 257.0 | 208.7 | 139.8 | 119.4 | 61.9 |
| 1.67V | 2950.8 | 2172.9 | 1714.8 | 1066.4 | 636.4 | 396.2 | 303.6 | 245.6 | 199.6 | 137.8 | 117.2 | 61.5 |
| 1.70V | 2834.0 | 2086.4 | 1668.6 | 1036.2 | 626.2 | 391.0 | 297.5 | 242.6 | 197.9 | 137.3 | 116.1 | 61.0 |
| 1.75V | 2647.0 | 1958.7 | 1585.0 | 1001.2 | 620.6 | 377.0 | 284.9 | 232.1 | 196.0 | 136.7 | 114.9 | 59.9 |
| 1.80V | 2398.7 | 1811.6 | 1469.1 | 972.4 | 584.8 | 364.9 | 274.5 | 227.2 | 189.0 | 133.2 | 114.0 | 59.4 |
| 1.85V | 1806.2 | 1434.7 | 1232.5 | 836.9 | 526.4 | 336.6 | 266.9 | 218.7 | 176.8 | 125.9 | 107.8 | 58.9 |



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