



## PM200-12 12V200AH

### PM SERIJA - GEL Baterija



- ◆ Telekomunikacije
- ◆ Sistemi solarnog napajanja
- ◆ Sistem vetrogeneratora.
- ◆ Motor start sistemi

|             |              |                |     |
|-------------|--------------|----------------|-----|
| ISO<br>9001 | ISO<br>14001 | OHSAS<br>18001 | TLC |
| CE          | RoHS         |                |     |

|                                       |                                                                                                                                                                                  |                              |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Nominalni napon Un                    | 12V                                                                                                                                                                              |                              |
| Nominalni Capacitet(10h)              | 200.0AH                                                                                                                                                                          |                              |
| Dimenzije                             | Dužina                                                                                                                                                                           | 522±3mm (20.55 inches)       |
|                                       | Širina                                                                                                                                                                           | 240±2mm (9.45 inches)        |
|                                       | Visina kutije                                                                                                                                                                    | 218±2mm (8.58 inches)        |
|                                       | Visina sa priključcima                                                                                                                                                           | 224±2mm (8.81 inches)        |
| Prosečna težina                       | Približno 55.9 Kg (123.23 lbs)                                                                                                                                                   |                              |
| Terminali                             | T11                                                                                                                                                                              |                              |
| Kućište Material                      | ABS                                                                                                                                                                              |                              |
| Nominalni Kapacitet                   | 209.1AH/10.4A                                                                                                                                                                    | (20hr ,1.80V/cell,25°C/77°F) |
|                                       | 200.0 AH/20.0A                                                                                                                                                                   | (10hr,1.80V/cell,25°C/77°F)  |
|                                       | 173.0 A H/34.6A                                                                                                                                                                  | (5hr,1.75V/cell,25°C/77°F)   |
|                                       | 157.2 AH/52.4A                                                                                                                                                                   | (3hr,1.75V/cell,25°C/77°F)   |
|                                       | 122.8AH/122.8A                                                                                                                                                                   | (1hr,1.60V/cell,25°C/77°F)   |
| Struja maks. opterećenja              | 1800A(5s)                                                                                                                                                                        |                              |
| Unutrašnja otpotnost                  | Približno 3.4mΩ                                                                                                                                                                  |                              |
| Opseg radnih temperatura              | ~50°C (5 ~ 122°F)                                                                                                                                                                |                              |
|                                       | ~40°C (32 ~ 104°F)                                                                                                                                                               |                              |
|                                       | Skladištenje: -15 ~ 40°C (5 ~ 104°F)                                                                                                                                             |                              |
| Nominalni opseg radne temp.           | 25±3°C (77 ±5°F)                                                                                                                                                                 |                              |
|                                       | Početno punjenje struje manje od 25A napon 14.4V~15.0V at 25°C(77°F)Temp. Koeficient -30mV/°C                                                                                    |                              |
| Stacionarna upotreba                  | Bez limita na početno punjenje struje i napona 13.5V~13.8V at 25°C(77°F)Temp. Koeficient -20mV/°C                                                                                |                              |
| Kapacitet u zavisnosti od Temperature | 40°C (104°F)                                                                                                                                                                     | 103%                         |
|                                       | 25°C (77°F)                                                                                                                                                                      | 100%                         |
|                                       | 0°C (32°F)                                                                                                                                                                       | 86%                          |
| Samopražnjenje                        | Serija akumulatora PM GEL može da se skladišti čak do 9 meseci na temperaturi do 25°C(77°F) i nakon toga, potrebno je dopuniti iste. Za veće temperature ovaj interval je manji. |                              |

°C (77°F)

| F.V/Time   | 20min | 30min | 45min | 1h    | 2h   | 3h   | 4h   | 5h   | 6h   | 7h   | 8h   | 9h   | 10h  | 20h  |
|------------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 169.2 | 132.8 | 101.3 | 84.8  | 53.8 | 41.0 | 34.0 | 29.3 | 25.3 | 22.4 | 20.2 | 18.5 | 17.5 | 9.60 |
| 1.80V/cell | 193.8 | 148.4 | 111.7 | 93.6  | 58.2 | 43.9 | 36.0 | 30.8 | 26.6 | 23.5 | 21.2 | 19.4 | 18.2 | 10.0 |
| 1.75V/cell | 217.8 | 163.2 | 120.8 | 100.2 | 61.7 | 46.4 | 37.7 | 32.0 | 27.5 | 24.3 | 21.9 | 20.0 | 18.6 | 10.2 |
| 1.70V/cell | 234.6 | 174.8 | 128.3 | 106.0 | 65.4 | 48.3 | 39.0 | 33.0 | 28.5 | 25.1 | 22.5 | 20.5 | 19.0 | 10.3 |
| 1.67V/cell | 244.2 | 181.6 | 132.8 | 110.0 | 67.1 | 49.9 | 39.9 | 33.7 | 28.9 | 25.5 | 22.9 | 20.8 | 19.3 | 10.4 |
| 1.60V/cell | 264.6 | 194.4 | 142.7 | 116.8 | 69.8 | 51.9 | 41.4 | 34.7 | 29.6 | 26.0 | 23.3 | 21.2 | 19.6 | 10.6 |

### Opterećenje sa konstantnom strujom (Wat) na 25 °C (77°F)

| F.V/Time   | 20min | 30min | 45min | 1h    | 2h    | 3h   | 4h   | 5h   | 6h   | 7h   | 8h   | 9h   | 10h  | 20h  |
|------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 323.8 | 255.9 | 196.5 | 165.1 | 105.1 | 80.3 | 66.8 | 57.9 | 50.1 | 44.5 | 40.2 | 36.8 | 34.8 | 19.2 |
| 1.80V/cell | 366.1 | 283.3 | 215.1 | 181.3 | 113.3 | 85.8 | 70.5 | 60.6 | 52.4 | 46.4 | 42.0 | 38.6 | 36.3 | 19.9 |
| 1.75V/cell | 406.9 | 308.7 | 230.8 | 193.1 | 119.6 | 90.4 | 73.6 | 62.7 | 54.1 | 47.9 | 43.3 | 39.7 | 37.0 | 20.3 |
| 1.70V/cell | 433.5 | 327.8 | 243.3 | 203.1 | 126.2 | 93.9 | 75.9 | 64.5 | 55.9 | 49.4 | 44.5 | 40.7 | 37.8 | 20.5 |
| 1.67V/cell | 446.2 | 337.0 | 250.2 | 209.6 | 128.8 | 96.4 | 77.5 | 65.7 | 56.7 | 50.0 | 45.1 | 41.1 | 38.2 | 20.7 |
| 1.60V/cell | 478.1 | 357.3 | 266.8 | 221.3 | 133.4 | 99.8 | 80.2 | 67.5 | 57.8 | 51.0 | 45.8 | 42.0 | 38.9 | 21.0 |

**Note** The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

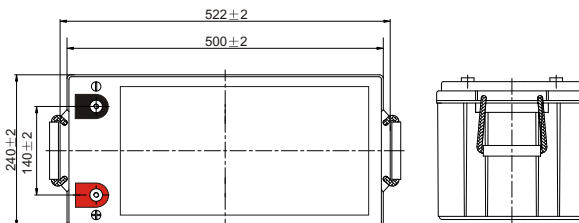
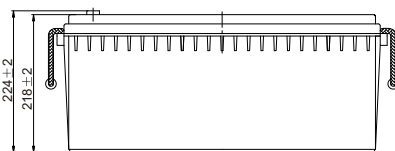
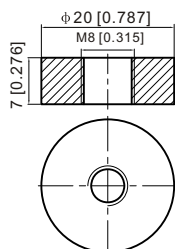
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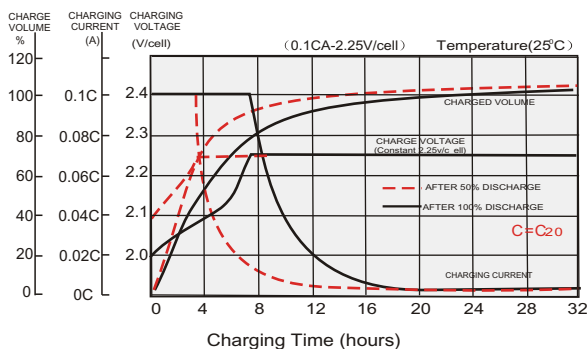
### Dimensions

#### T11 Terminal

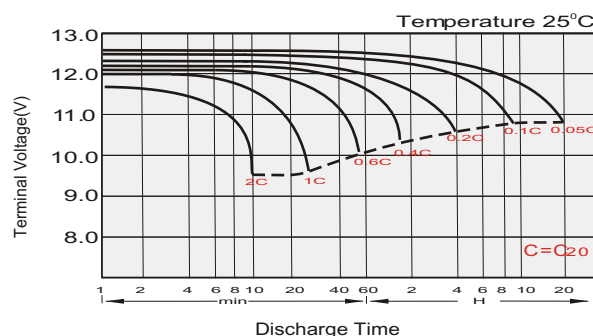
Unit: mm [inches]



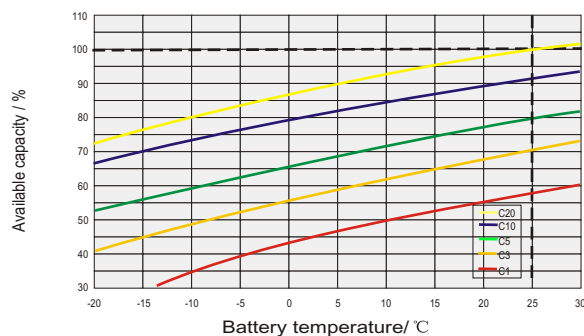
### Float Charging Characteristics



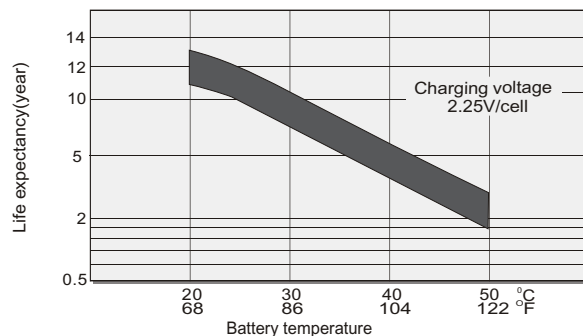
### Discharge Characteristics



### Temperature Effects in Relation to Battery Capacity

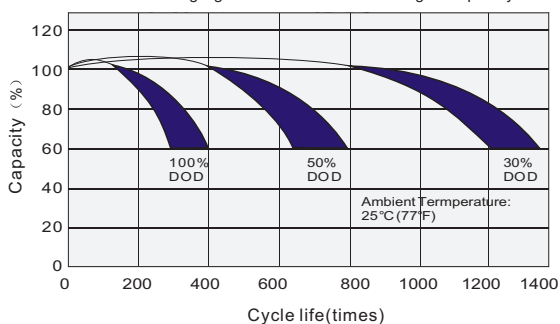


### Effect of Temperature on Long Term Float Life

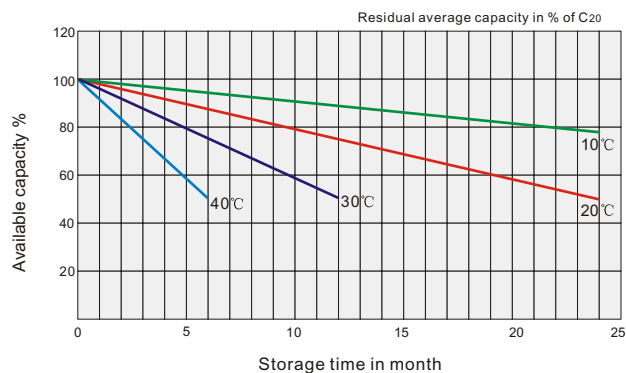


### Cycle Life in Relation to Depth of Discharge

Testing condition  
Discharging: current 0.17C (FV 1.7V/cell);  
Charging: current 0.25C max, voltage 2.45V/cell;  
Charging volume: 125% of discharged capacity.



### General Relation of Capacity VS. Storage Time



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This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/ specification are subject to modification without notice. Contact seller for the latest information.