

EURO PLUS - EMF 65

12V-65AH - AGM MONOBLOCK VRLA BATTERY

Applications:

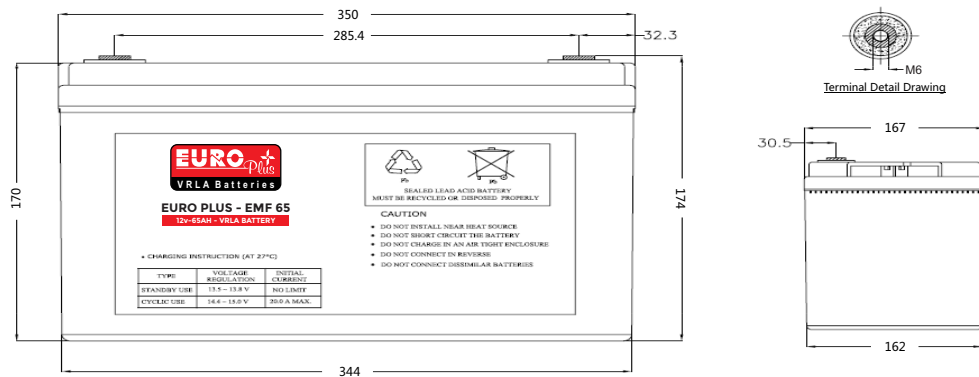
- UPS
- Data Centers
- Emergency Lighting
- Security Systems
- Medical Instruments

Features:

- Suitable for High Rate Discharge
- Self Regulating pressure valve
- Flame retardant ABS/PP case
- Product Performance Complies with JIS 8702 C
- Design life 8 Years

| | |
|--|--|
| Cells Per Unit | 6 |
| Voltage Per Unit | 12 |
| Capacity | 65Ah @ C ₂₀ upto 1.75ECV @27°C |
| Weight | 21 Kgs |
| Maximum Discharge Current(1 min 1.60 ECV) | 195AMP |
| Operating Temperature Range | -5°C~+40°C |
| Nominal Operating Temperature | 27°C |
| Float Charging Voltage | 13.5 to 13.8 V |
| Recommended Maximum Charging Current Limit | 16.25 AMP |
| Equalization and Cycle Service | 14.4 to 15 V |
| Self Discharge | Batteries can be stored for more than 6 months @ 27°C Please charge batteries before using. For higher temperatures the time interval will be shorter |
| Construction | Plate Type: Flat Pasted Seperator: AGM Electrolyte: Immobilised H ₂ SO ₄ |
| Terminal | M6 |
| Container & Cover Material | ABS |

| | | | |
|--------------|---------------|--------------|---------------|
| Dimensions : | Length ± 5 mm | Width ± 5 mm | Height ± 5 mm |
| Battery | 350 | 167 | 174 |


Constant Current Discharge Characteristics : (Amps @ 27°C)

| FV | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR | 4HR | 5HR | 6HR | 7HR | 8HR | 9HR | 10HR | 12HR | 20HR |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1.60V | 193.1 | 141.1 | 111.2 | 63.7 | 39.3 | 22.0 | 16.2 | 13.0 | 11.2 | 9.60 | 8.50 | 7.66 | 7.01 | 6.49 | 5.48 | 3.40 |
| 1.65V | 182.8 | 134.1 | 104.5 | 61.8 | 38.8 | 21.5 | 15.8 | 12.8 | 11.0 | 9.45 | 8.36 | 7.56 | 6.92 | 6.40 | 5.39 | 3.39 |
| 1.70V | 175.4 | 127.0 | 101.2 | 59.2 | 38.2 | 21.2 | 15.5 | 12.5 | 10.8 | 9.32 | 8.27 | 7.48 | 6.87 | 6.39 | 5.34 | 3.35 |
| 1.75V | 162.1 | 120.0 | 98.5 | 57.7 | 37.8 | 20.8 | 15.1 | 12.3 | 10.6 | 9.13 | 8.09 | 7.30 | 6.68 | 6.18 | 5.28 | 3.31 |
| 1.80V | 148.9 | 109.1 | 89.1 | 55.1 | 36.1 | 20.0 | 14.7 | 12.0 | 10.3 | 8.91 | 7.89 | 7.13 | 6.54 | 6.07 | 5.16 | 3.26 |

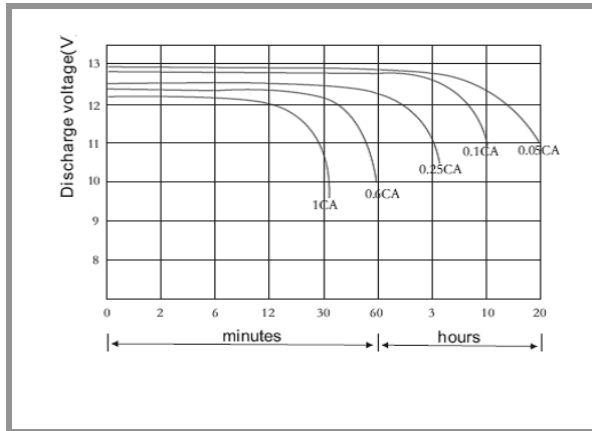
Constant Power Discharge Characteristics : (Watts / Cell @ 27°C)

| FV | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR | 4HR | 5HR | 6HR | 7HR | 8HR | 9HR | 10HR | 12HR | 20HR |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1.60V | 380.8 | 268.6 | 213.9 | 141.0 | 84.4 | 47.3 | 34.9 | 27.3 | 22.8 | 19.6 | 17.4 | 15.5 | 14.1 | 13.2 | 11.2 | 7.23 |
| 1.65V | 353.5 | 247.3 | 194.2 | 125.8 | 77.7 | 44.2 | 32.9 | 25.8 | 21.4 | 18.5 | 16.5 | 15.0 | 13.8 | 12.9 | 11.0 | 7.10 |
| 1.70V | 326.2 | 235.2 | 188.1 | 121.8 | 76.3 | 42.9 | 31.7 | 25.0 | 21.1 | 18.4 | 16.4 | 14.9 | 13.7 | 12.8 | 10.9 | 7.01 |
| 1.75V | 300.4 | 224.6 | 182.1 | 117.9 | 75.1 | 42.2 | 31.3 | 24.7 | 20.8 | 18.1 | 16.1 | 14.5 | 13.4 | 12.5 | 10.6 | 6.85 |
| 1.80V | 282.2 | 212.4 | 176.0 | 113.8 | 73.7 | 41.4 | 30.6 | 24.4 | 20.6 | 17.8 | 15.8 | 14.3 | 13.1 | 12.2 | 10.4 | 6.70 |

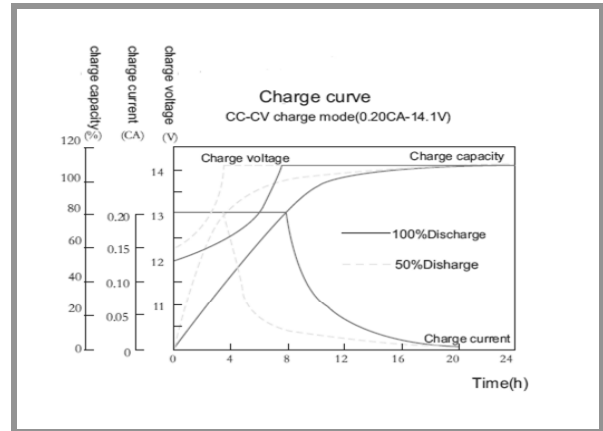
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PERFORMANCE CHARACTERISTICS

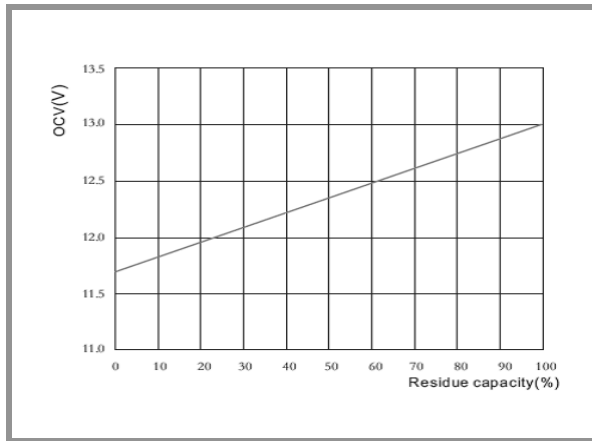
Discharge Curve



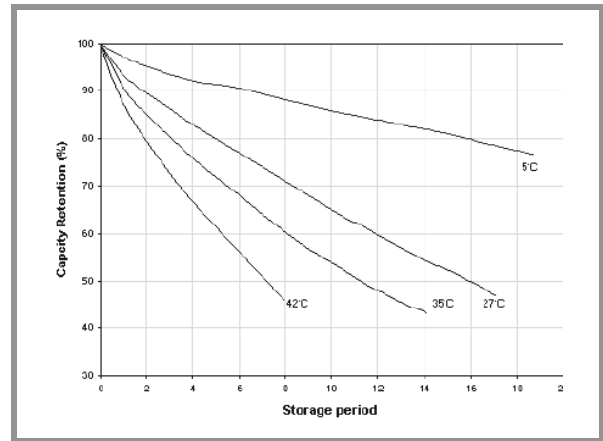
Charge Curve



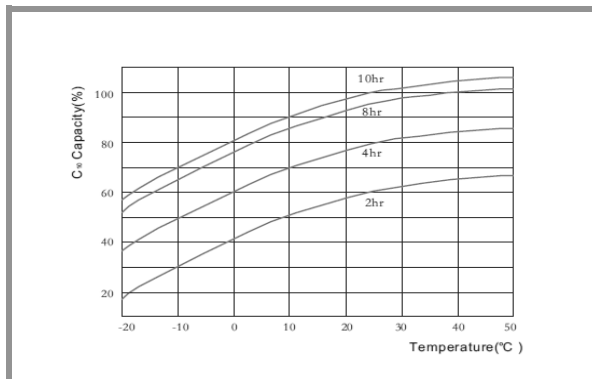
Ocv vs. State Of charge



Residual Capacity Vs. Storage time



Temperature Vs. Capacity Curve



Temperature Vs. design Life Curve

