

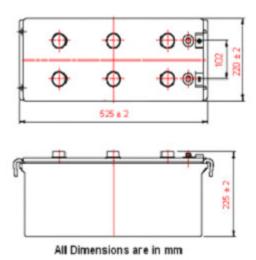
Specifications

| | Item | Specification | | | |
|--|-------------------------------|--|--|--|--|
| | General Information | | | | |
| 1. | Battery Type & Model | Sealed Maintenance-free VRLA Battery; Model: OPTI 200 | | | |
| 2. Nominal Capacity at 20 hr rate to end 10.5V/bloc at 25° C | | 200 Ah | | | |
| 3. | Nominal Voltage of Monobloc | 12V | | | |
| 4. | Normal operating temperature | +20°C to +30°C | | | |
| 5. | Operating Temperature Limits | -20°C to +50°C | | | |
| | Mechanical Data | | | | |
| 6. | Dimensions in mm | See Figure 1 below | | | |
| 7. | Weight in kgs | 55.0 Kg (approx) | | | |
| | Electrical Data | | | | |
| 8. | Ampere-hour efficiency | 95% (minimum) | | | |
| 9. | Watt-hour efficiency | 85% (minimum) | | | |
| 10. | Charging Voltage | | | | |
| | a) Stand by Application | Boost: 14.0 V per battery at 25° C | | | |
| | | Float: 13.7 V per battery at 25° C | | | |
| | | Single setting: 13.8 V per battery at 25° C | | | |
| | b) Cyclic Application | 14.1 V per battery at 25° C | | | |
| 11. | Charging Current Limit | 20.0 A (minimum) in Constant Voltage mode | | | |
| | Design Data | | | | |
| 12. | Type of plate | Flat pasted | | | |
| 13. | Type of Separator | Absorptive Glass Mat (AGM) | | | |
| 14. | Material of container and lid | PP | | | |
| 15. | Type of vent seal | Bunsen type, Self-resealing & pressure regulating | | | |
| 16. | Electrolyte | Dilute sulphuric acid in totally absorbed condition | | | |

Constant current discharge performance data @ 25° C:

| | ECV | Discharge currents (Amps) | | | | | | | |
|--|------|---------------------------|--------|--------|--------|--------|--------|---------|---------|
| | | 10 min | 15 min | 30 min | 1 Hour | 3 Hour | 5 Hour | 10 Hour | 20 Hour |
| | 1.75 | 358 | 286 | 187 | 115 | 46.7 | 31.6 | 18.2 | 10.0 |

Figure 1:



Document: **OPTI 200 Dec 2015**