



R4000 DRY SERIES BATTERY

ELECTRICAL SPECIFICATIONS

| | |
|-----------------------|---------------|
| Nominal Voltage | 12 V |
| Capacity @ C100 | 119 Ah |
| Capacity @ C20 | 115 Ah |
| Capacity @ C10 | 110 Ah |
| Capacity @ C5 | 97 Ah |
| Capacity @ 75A | 65 min |
| Capacity @ 25A | 242 min |
| Energy @ C100 | 1428 Wh |
| Internal Resistance | 4.45 mΩ |
| Short Circuit Current | 3400 A |
| Self Discharge | <3% per Month |

CHARGE SPECIFICATIONS

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|----------------------------|-----------|
| Recommended Charge Current | 12 - 23 A |
| Maximum Charge Current | 29 A |

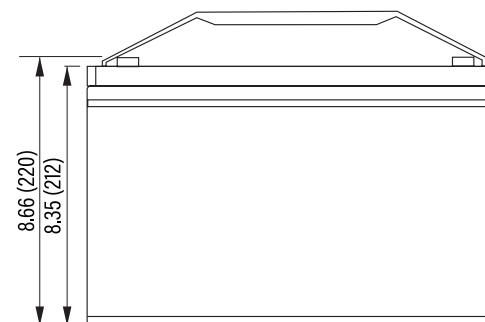
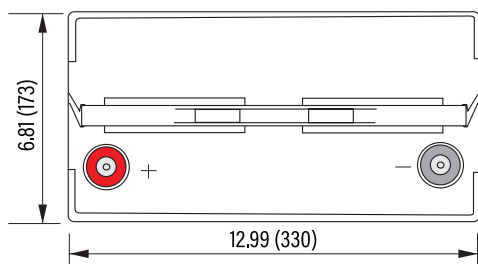
CHARGE VOLTAGES

| Charge Stage | 12 V System | 24 V System | 36 V System | 48 V System |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| Bulk/Absorption | 14.4 V - 14.7 V | 28.8 V - 29.4 V | 43.2 V - 44.1 V | 57.6 V - 58.8 V |
| Float | 13.6 - 13.8 V | 27.2 - 27.6 V | 40.8 - 41.4 V | 54.4 - 55.2 V |

CHARGE TEMPERATURE COMPENSATION

| | | |
|---------------------------|-----------------|---------------|
| Cold Temperature Charging | +2.8 mV/cell/°F | +5 mV/cell/°C |
| Hot Temperature Charging | -2.8 mV/cell/°F | -5 mV/cell/°C |

DIMENSIONAL SPECIFICATIONS



MECHANICAL & PHYSICAL SPECIFICATIONS

| | |
|------------------------|--------------------------------|
| Dimensions (L x W x H) | 13.0 x 6.8 x 8.7" |
| | 330 x 173 x 220 mm |
| Weight | 67.5 lbs (30.6 kg) |
| Terminal Type | AP & 5/16" Stud |
| Terminal Torque AP | 44 - 62 in-lbs (5 - 7 N-m) |
| Terminal Torque STUD | 120 - 180 in-lbs (14 - 20 N-m) |
| Battery Type | VRLA |
| Case Material | ABS |
| Handle | Plastic |

TEMPERATURE SPECIFICATIONS

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|-------------------------------------|---------------------------|
| Operation/Storage Temperature Range | -4 - 122 °F (-20 - 50 °C) |
|-------------------------------------|---------------------------|

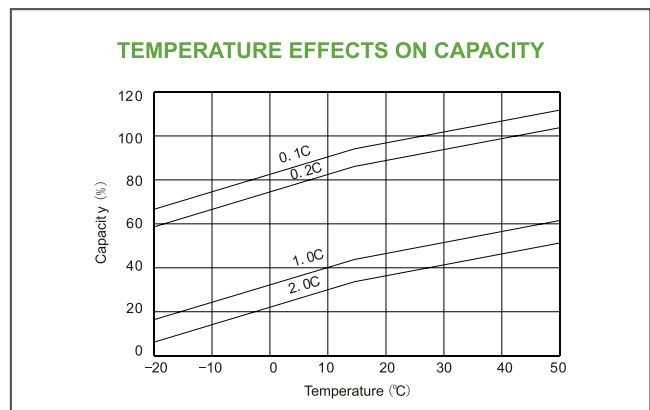
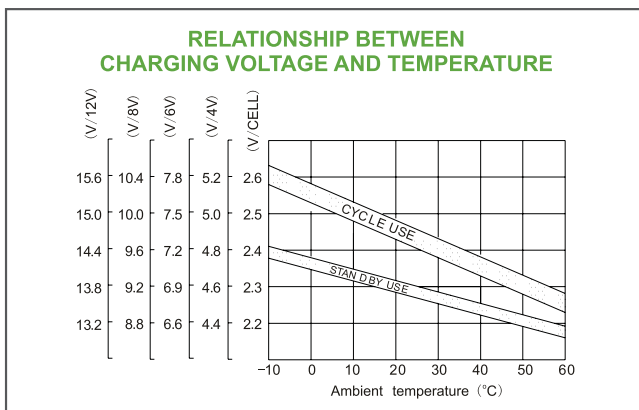
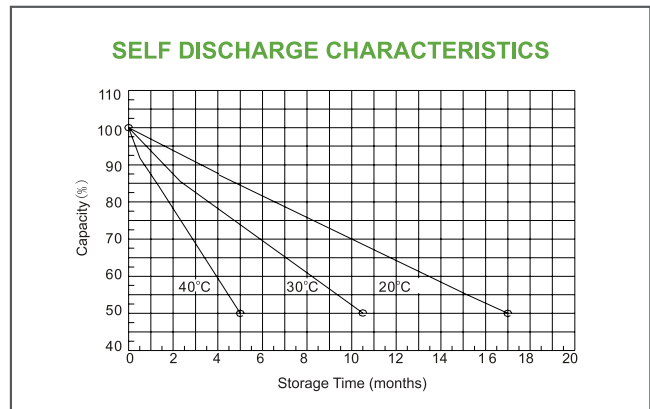
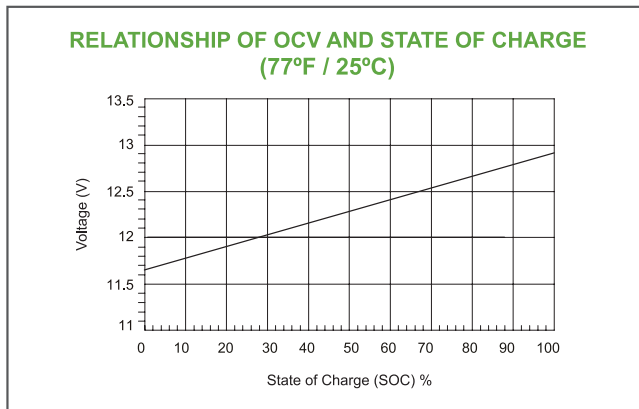
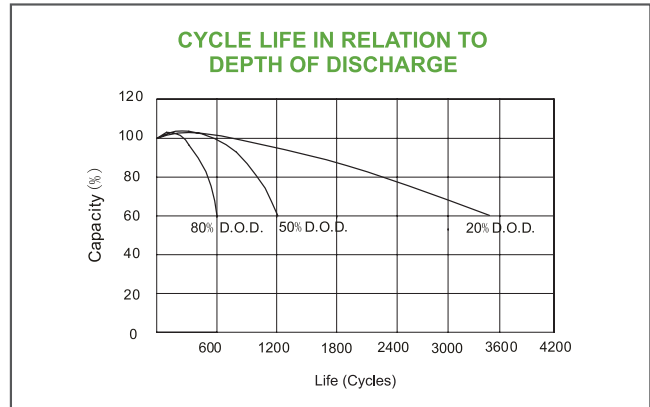
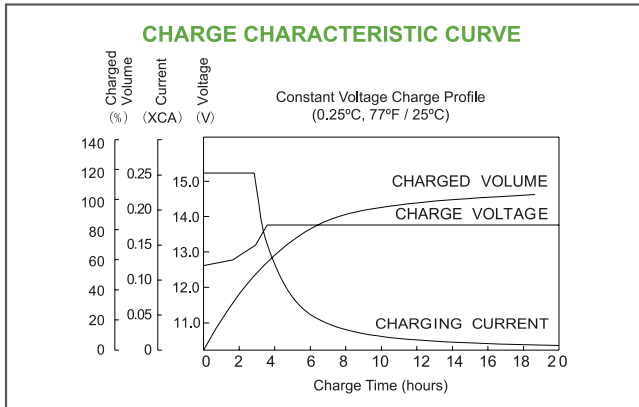
COMPLIANCE SPECIFICATIONS

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|-------------------------|------------------|
| Certifications | UL1989 |
| Shipping Classification | UN 2800, CLASS 8 |





PERFORMANCE CHARACTERISTICS



REV01150310.24.2017

