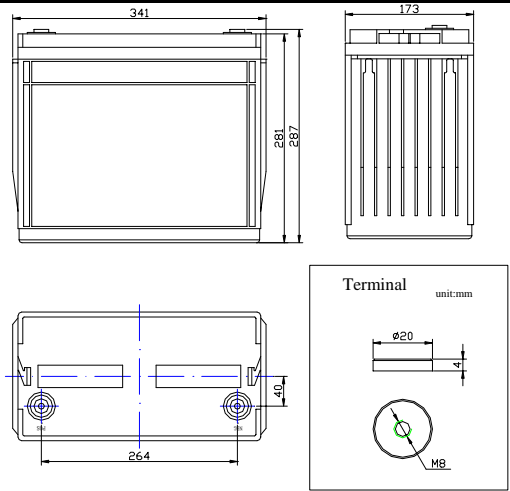


HGL140-12



Specifications

| | | |
|-------------------------------|-------------------------------|-------------------------|
| Nominal Voltage | | 12V |
| Rated Capacity (20 hour rate) | | 140AH |
| Dimension | Total Height (with terminals) | 287mm(11.30inches) |
| | Height | 281mm(11.06inches) |
| | Length | 341mm(13.43inches) |
| | Width | 173mm(6.81inches) |
| Weight | | Approx.42.5kg (93.5lbs) |

Characteristics

| | | | |
|---|-----------------------------------|-------------------------|-------|
| Capacity 77°F (25°C) | 20 hour rate (7A to 10.5Volts) | | 140AH |
| | 10 hour rate (13.0A to 10.5Volts) | | 130AH |
| | 5 hour rate (24A to 10.2Volts) | | 119AH |
| | 1 hour rate (84A to 9.6Volts) | | 84AH |
| Internal Resistance | Full charged 77°F (25°C) | | 3.5mΩ |
| Standard Terminal | M8 | | |
| Capacity affected by Temperature (20 hour rate) | 104°F (40°C) | | 102% |
| | 77°F (25°C) | | 100% |
| | 32°F (0°C) | | 85% |
| | 5°F (-15°C) | | 65% |
| Self-Discharge 77°F (25°C) | Capacity after 3 month storage | | 91% |
| | Capacity after 6 month storage | | 82% |
| | Capacity after 12 month storage | | 64% |
| Max. Discharge Current 77°F (25°C) | 1400A (5s) | | |
| Maximum Charge Current(A) | 28A | | |
| Charging (Constant Voltage) | Cycle | 14.5V~14.9V/77°F (25°C) | |
| | Float | 13.6V~13.8V/77°F (25°C) | |
| Temperature compensation coefficient of charging voltage (mV/°C/cell) | Cycle | -4mV/°C/cell | |
| | Float | -3mV/°C/cell | |

Constant Current Discharge Rating Amperes @ 77°F (25°C)

| Cut off voltage V/cell | 15M | 30M | 45M | 1H | 2H | 3H | 5H | 8H | 10H | 12H | 20H | 24H |
|------------------------|-----|-----|-----|------|------|------|------|-------|------|------|-----|------|
| 1.75V | 229 | 138 | 100 | 80.6 | 46.0 | 34.3 | 23.3 | 15.92 | 13.1 | 11.2 | 7.0 | 5.87 |

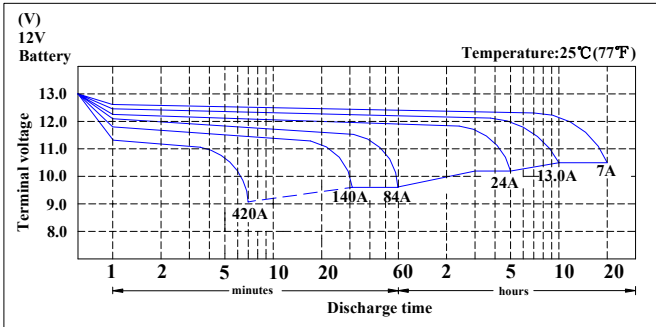
Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

FULLRIVER

HGL BATTERIES

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Discharge characteristics 77 °F (25 °C)



Duration of discharge vs. Discharge current

