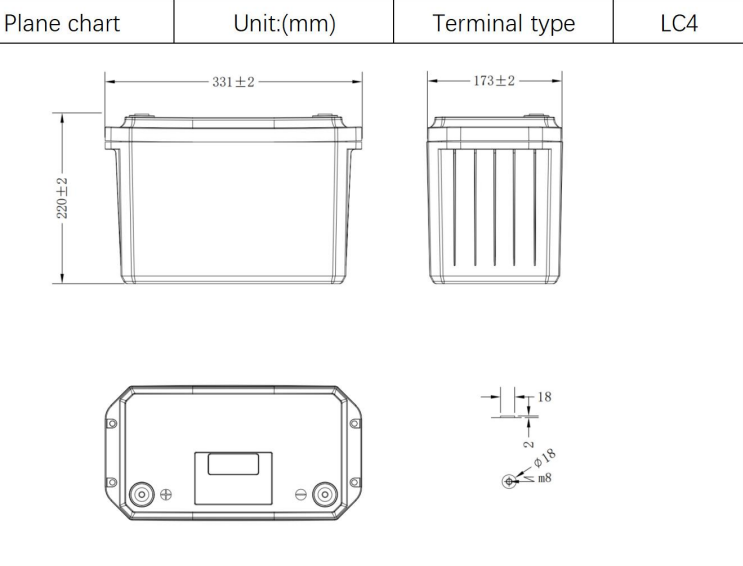


INTELLIGENT LITHIUM BATTERY FOR ENERGY STORAGE

Model: PN MS100-12(L)

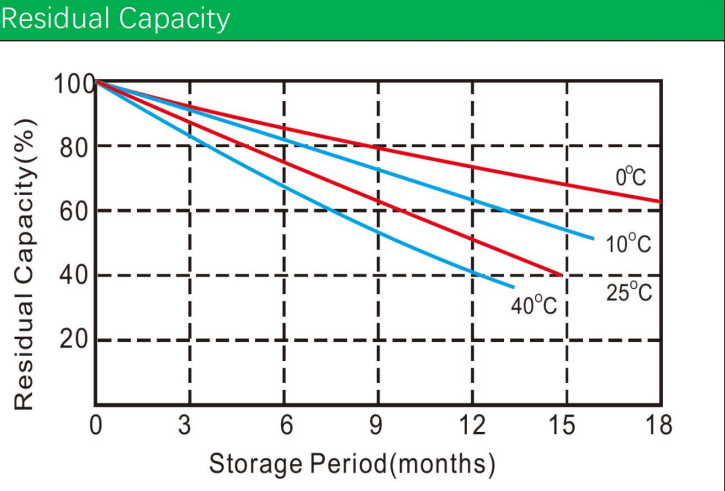
ON: 0

GF100



Parameter chart

|                                  |                                  |               |
|----------------------------------|----------------------------------|---------------|
| Volts                            | 12.8                             | V             |
| Capacity                         | 10 hours rate 10.00 A 100.0      | Ah            |
| Internal Resistance              | Full Charged Battery 25°C ≤ 30   | mΩ            |
| Capacity Affected By Temperature | 60°C                             | ≥98%          |
|                                  | 25°C                             | ≥100%         |
|                                  | 0°C                              | ≥75%          |
|                                  | -10°C                            | ≥50%          |
| Residual Capacity (25°C)         | Capacity After 3 Months Storage  | ≥87%          |
|                                  | Capacity After 6 Months Storage  | ≥74%          |
|                                  | Capacity After 12 Months Storage | ≥50%          |
| Charge(Constant Voltage)25°C     | Standard Current 0.2C            | 20 A          |
|                                  | Max.Current 0.5C                 | 50 A          |
|                                  | Max.Voltage                      | 14.4 ~ 14.6 V |
|                                  | Float Voltage                    | 13.6 ~ 13.8 V |
| Discharge Current (25°C)         | Standard Current 0.25C           | 25 A          |
|                                  | Max.Current 1C                   | 100 A         |
| Weight (Approx)                  | 11.22                            | KG            |



Constant Current Discharge Characteristics (A, 25°C)

|       |        |       |       |       |       |       |       |       |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| H/V/A | 1.00   | 3.00  | 5.00  | 8.00  | 10.00 | 15.00 | 20.00 | 30.00 |
| 9.20  | 100.00 | 33.33 | 20.00 | 12.50 | 10.00 | 6.67  | 5.00  | 3.33  |

Constant Power Discharge Characteristics (Watt, 25 °C)

|       |        |       |       |       |       |       |       |       |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| H/V/W | 1.00   | 3.00  | 5.00  | 8.00  | 10.00 | 15.00 | 20.00 | 30.00 |
| 9.20  | 1280.0 | 426.7 | 256.0 | 160.0 | 128.0 | 85.3  | 64.0  | 42.7  |

Capacity Factors With Different Temperature

|           |      |      |     |     |     |     |      |      |      |     |     |
|-----------|------|------|-----|-----|-----|-----|------|------|------|-----|-----|
| Discharge | -20° | -10° | 0°  | 5°  | 10° | 15° | 20°  | 25°  | 30°  | 40° | 60° |
|           | 30%  | 50%  | 75% | 85% | 90% | 99% | 100% | 100% | 100% | 99% | 98% |

★The above are average and data obtained from the firsr 3 charge/discharge cycles. These are not minimum values.

