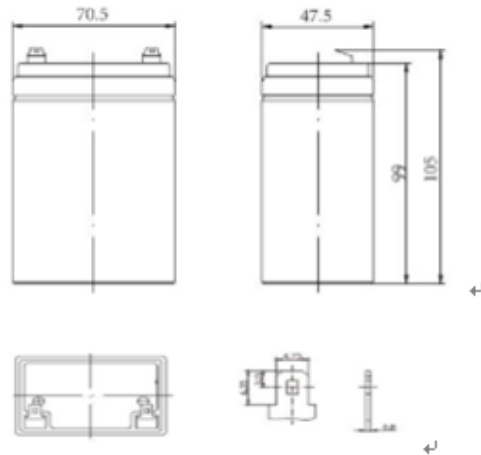


# GERCH® Lead-crystal battery GE2.6-12E (12V2.6Ah)

## Product Image



## Product Dimensions



## Characteristics

|                                                   |                            |                                                                   |
|---------------------------------------------------|----------------------------|-------------------------------------------------------------------|
| Nominal Voltage                                   |                            | 12V                                                               |
| Nominal Capacity (20 hour rate)                   |                            | 2.6Ah                                                             |
| Capacity<br>25°C (77°F)                           | 10 hour rate (0.25A)       | 2.49Ah                                                            |
|                                                   | 5 hour rate (0.46A)        | 2.31Ah                                                            |
|                                                   | 1 hour rate (1.72A)        | 1.72Ah                                                            |
| Internal Resistance                               | Full Charged Battery 25 °C | ≤40m Ω                                                            |
| Capacity affected by<br>Temperature<br>(10 hour ) | 40°C (104°F)               | 102%                                                              |
|                                                   | 25°C (77°F)                | 100%                                                              |
|                                                   | -20°C (-4°F)               | 82%                                                               |
|                                                   | -35°C (-31°F)              | 65%                                                               |
| Self-Discharge<br>25°C (77°F)<br>Capacity         | after 3 month storage      | 90%                                                               |
|                                                   | after 6 month storage      | 80%                                                               |
|                                                   | after 12 month storage     | 62%                                                               |
| Charge<br>(Constant<br>Voltage)<br>25°C<br>(77°F) | Float                      | Initial Charging Current Less than<br>0.78A<br>Voltage 13.6-13.8V |
|                                                   | Cycle                      | Initial Charging Current Less than<br>0.63A<br>Voltage 14.4-15.0V |

## Packaging

|                       |                 |               |
|-----------------------|-----------------|---------------|
| Battery<br>Dimensions | Length          | 70mm          |
|                       | Width           | 47mm          |
|                       | Height          | 101mm         |
|                       | Total<br>Height | 106mm         |
| Box<br>Dimensions     | Length          | 305mm         |
|                       | Width           | 260mm         |
|                       | Height          | 122mm         |
| Quantity Per Box      |                 | 20 PC per box |
| Net weight Per Cell   |                 | 0.9kg±50g     |
| Net weight Per Box    |                 | 18kg±50g      |
| Gross Weight          |                 | 18.5kg±50g    |

### Discharge Constant Current per Cell (Amperes at 77°F25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V    | 7.51 | 4.83  | 4.02  | 2.68  | 1.92  | 1.66 | 0.73 | 0.72 | 0.49 | 0.32 | 0.29 | 0.15 |
| 1.65V    | 7.38 | 4.74  | 3.95  | 2.63  | 1.89  | 1.63 | 0.72 | 0.70 | 0.48 | 0.31 | 0.28 | 0.15 |
| 1.70V    | 7.24 | 4.65  | 3.88  | 2.58  | 1.85  | 1.60 | 0.70 | 0.69 | 0.47 | 0.31 | 0.28 | 0.15 |
| 1.75V    | 7.10 | 4.57  | 3.80  | 2.54  | 1.82  | 1.57 | 0.69 | 0.68 | 0.46 | 0.30 | 0.27 | 0.14 |
| 1.80V    | 6.83 | 4.39  | 3.66  | 2.44  | 1.75  | 1.51 | 0.67 | 0.65 | 0.44 | 0.29 | 0.26 | 0.14 |

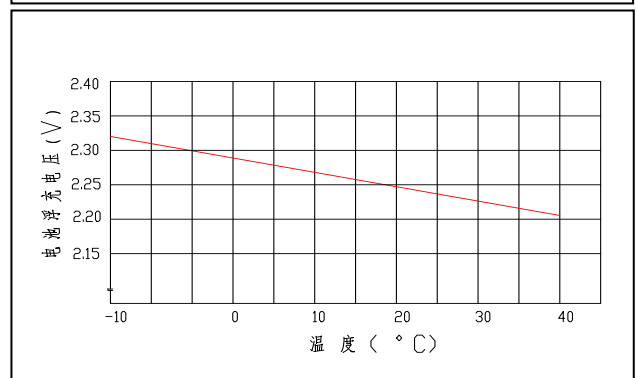
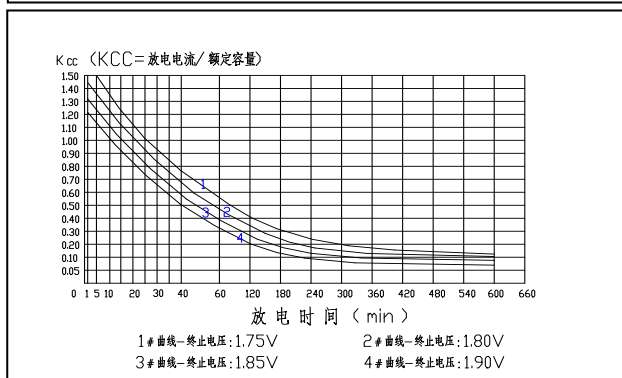
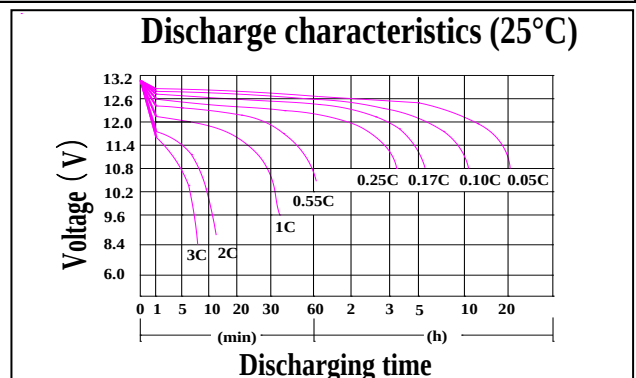
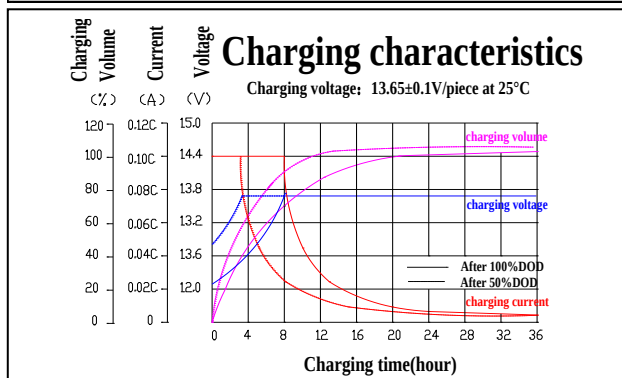
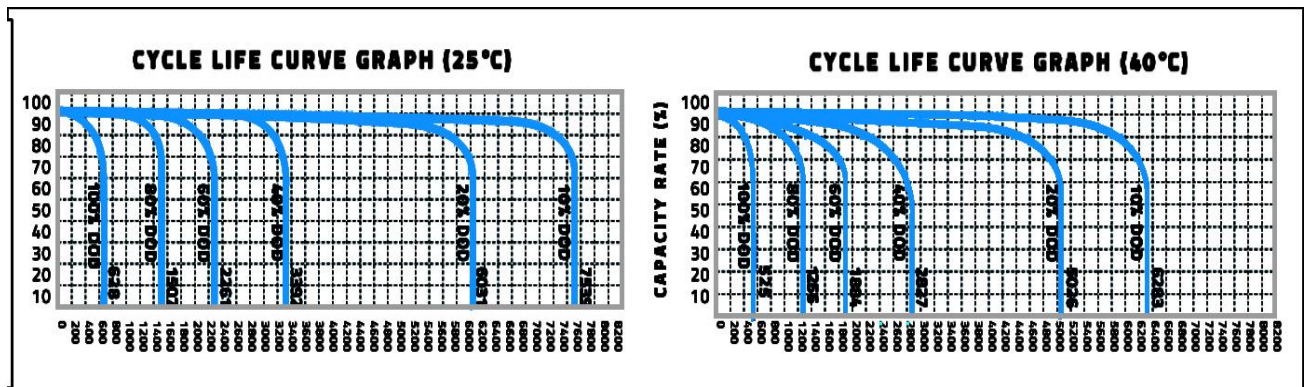
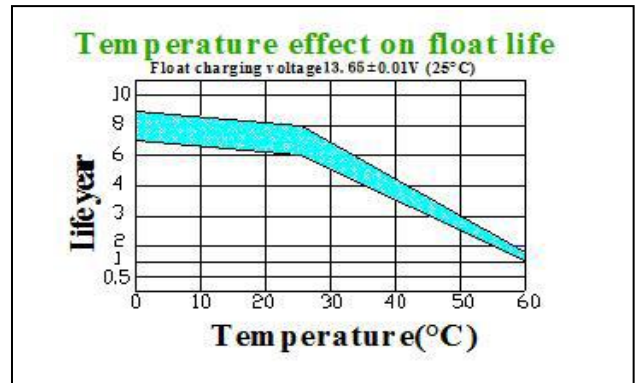
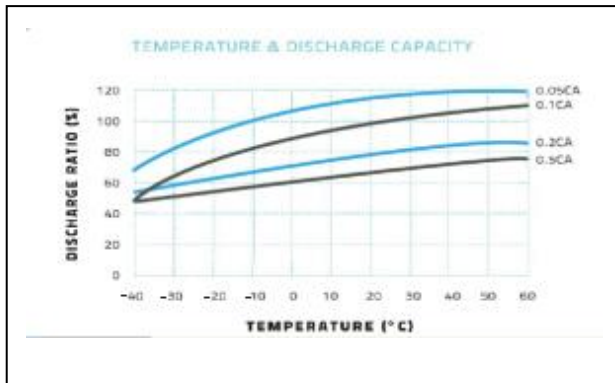
### Discharge Constant Power per Cell (Watts at 77°F 25°C)

| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V    | 14.46 | 9.30  | 7.75  | 5.16  | 3.71  | 3.19 | 1.41 | 1.38 | 0.94 | 0.62 | 0.55 | 0.29 |
| 1.65V    | 14.20 | 9.13  | 7.61  | 5.07  | 3.64  | 3.14 | 1.38 | 1.35 | 0.92 | 0.61 | 0.54 | 0.29 |
| 1.70V    | 13.94 | 8.96  | 7.46  | 4.98  | 3.57  | 3.08 | 1.36 | 1.33 | 0.90 | 0.60 | 0.53 | 0.28 |
| 1.75V    | 13.67 | 8.79  | 7.32  | 4.88  | 3.50  | 3.02 | 1.33 | 1.30 | 0.88 | 0.58 | 0.52 | 0.28 |
| 1.80V    | 13.15 | 8.45  | 7.04  | 4.70  | 3.37  | 2.90 | 1.28 | 1.25 | 0.85 | 0.56 | 0.50 | 0.27 |

**Note** The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact **US** for the latest information.

# GERCH<sup>®</sup> Lead-crystal battery GE2.6-12E (12V2.6Ah)

## Performance Characteristics



## Battery Construction

| Component    | Positive plate | Negative plate | Container | Cover | Safety valve | Terminal | Separator  | Electrolyte |
|--------------|----------------|----------------|-----------|-------|--------------|----------|------------|-------------|
| Raw material | Lead dioxide   | Lead           | ABS       | ABS   | Si-Rubber    | Copper   | Fiberglass | Nano        |

Guangdong JiYi General Electric Co., Ltd.

Oversea sales office Tel: +86-020-84869873

Fax: +86-020-34628335

Domestic sales office Tel: 020-34628335

Fax: 020-34628335

E-mail: ge@gerch.cn

GERCH<sup>®</sup>

HTTP: //WWW.GERCH.CN