GD500-2 2V500AH
GD SERIES-Deep Cycle Battery

Specification

Nominal Voltage: 2V
Nominal Capacity(10HR): 500.0AH @10hr-rate to 1.80V per cell @25℃

Dimension
Length: 240±2mm (9.45 inches)
Width: 175±2mm (6.89 inches)
Container Height: 330±2mm (12.99 inches)
Total Height (with Terminal): 350±2mm (13.78 inches)

Approx Weight
Terminal: Approx 26.7 Kg (58.86 lbs)

Container Material: ABS

Max. Discharge Current: 2500A (5s)

Internal Resistance: Approx 0.62mΩ

Operating Temp.Range
Discharge: -20~60℃ (-4~140℉)
Charge: 0~50℃ (32~122℉)
Storage: -20~80℃ (-4~140℉)

Nominal Operating Temp. Range: 25±5℃ (77 ±41℉)

Float charging Voltage: 2.27 to 2.3 VDC/unit Average at 25℃

Recommended Maximum Charging Current Limit: 100 A

Equalization and Cycle Service: 2.43 to 2.47 VDC/unit Average at 25℃

Capacity affected by Temperature
40℃: (104 ℉): 103%
25℃ (77 ℉): 100%
0℃ (32 ℉): 86%

Self Discharge
JYC GD series batteries may be stored for up to 6 months at 25℃(77℉) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Applications
- Electric tools
- Vehicle in place of walking
- Lawn mowers
- Golf trolleys and golf cart
- Portable apparatus, lights and instruments;
- Electric toys
- Illumination light
- Fire alarms
- Portable power
- Wheelchairs
- Solar energy systems
- Marine
- RV
- Medical equipments.

ISO 9001 ISO 14001 OHSAS 18001
CE RoHS

Constant Current Discharge Characteristics: A (25℃)

<table>
<thead>
<tr>
<th>F.V/Time</th>
<th>15MIN</th>
<th>30MIN</th>
<th>1HR</th>
<th>2HR</th>
<th>3HR</th>
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Note: The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

Http://www.jycbattery.com
GD500-2 2V500AH
GD SERIES-Deep Cycle Battery

Dimensions

T11 Terminal
Unit: mm [inches]

Charge characteristic Curve for standby use

Discharge characteristic Curve

Life characteristics of cyclic use

Storage characteristic

JYC GD BATTERIES
This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specification are subject to modification without notice. Contact JYC for the latest information.
GD SERIES-Deep Cycle Battery

GD600-2 2V600AH

Specification

Nominal Voltage: 2V
Nominal Capacity (10HR): 600.0AH @ 10hr-rate to 1.80V per cell @ 25°C

Dimension
- Length: 300±2mm (11.81 inches)
- Width: 175±2mm (6.89 inches)
- Container Height: 330±2mm (12.99 inches)
- Total Height (with Terminal): 350±2mm (13.78 inches)

Approx Weight: Approx 33.0 kg (72.753 lbs)
Terminal: T11
Container Material: ABS
Max. Discharge Current: 3000A (5s)
Internal Resistance: Approx. 0.62mΩ

Operating Temp. Range
- Discharge: -20~60°C (-4~140°F)
- Charge: 0~50°C (32~122°F)
- Storage: -20~60°C (-4~140°F)

Nominal Operating Temp. Range: 25±5°C (77±11°F)
Float charging Voltage: 2.27 to 2.3 VDC/unit Average at 25°C
Recommended Maximum Charging Current Limit: 120 A
Equalization and Cycle Service: 2.43 to 2.47 VDC/unit Average at 25°C

Capacity affected by Temperature
- 40°C (104°F): 103%
- 25°C (77°F): 100%
- 0°C (32°F): 86%

Self Discharge
- JYC GD series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Constant Current Discharge Characteristics: A (25°C)

<table>
<thead>
<tr>
<th>F.V/Time</th>
<th>15MIN</th>
<th>30MIN</th>
<th>1HR</th>
<th>2HR</th>
<th>3HR</th>
<th>4HR</th>
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Constant Power Discharge Characteristics: W (25°C)

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<td>113.4</td>
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</table>

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

Http://www.jycbattery.com
**GD600-2 2V600AH**  
GD SERIES-Deep Cycle Battery

**Dimensions**

- **T11 Terminal**  
  Unit: mm [inches]  
  - Φ20 (0.787)  
  - M8 (0.315)  
  - 7 (0.276)

**Life characteristics of cyclic use**

- **Charge Volume**
- **Charge Voltage**
- **Discharge**  
  - 100%(0.05CA×20h)
  - 50%(0.05CA×10h)
  - 30%(0.05CA×5h)

**Storage characteristic**

- **Capacity (%)**
- **Capacity (%)**
- **Temperature 25°C**
- **Supplementary charge required before use.**
- **Supplementary charge and storage guidelines**

**Charge characteristic Curve for standby use**

- **Charge Voltage**
- **Charge Current**
- **Temperature 25°C**

**Discharge characteristic Curve**

- **Terminal Voltage (V)**
- **Discharge Time (h)**
- **Discharge Current**

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**GD800-2 2V800AH**

**GD SERIES-Deep Cycle Battery**

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### Specification

- **Nominal Voltage:** 2V
- **Nominal Capacity(10HR):** 800.0AH @10hr-rate to 1.80V per cell @25℃
- **Capacity affected by Temperature:**
  - 40℃: 103%
  - 25℃: 100%
  - 0℃: 86%
- **Nomial Operating Temp. Range:** 25±5℃ (77±9°F)
- **Self Discharge:** JYC GD series batteries may be stored for up to 6 months at 25℃ (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

### Applications

- Electric tools
- Vehicle in place of walking
- Lawn mowers
- Golf trolleys and golf cart
- Portable apparatus, lights and instruments;
- Electric toys
- Illumination light
- Fire alarms
- Portable power
- Wheelchairs
- Solar energy systems
- Marine
- RV
- Medical equipments.

---

### Constant Current Discharge Characteristics: A (25℃)

<table>
<thead>
<tr>
<th>F.V/Time</th>
<th>15MIN</th>
<th>30MIN</th>
<th>1HR</th>
<th>2HR</th>
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### Constant Power Discharge Characteristics: W(25℃)

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</table>

**Note:** The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.
GD800-2  2V800AH  
GD SERIES-Deep Cycle Battery

Dimensions

T11 Terminal
Unit: mm [inches]

Charge characteristic Curve for standby use

Discharge characteristic Curve

Life characteristics of cyclic use

Storage characteristic

Supplementary charge required 
(Carry out supplementary charge before use if 100% capacity is required)
This supplementary charge will help to recover the capacity and should be made as early as possible.
Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this state is reached.

Supplementary charge and storage guidelines

JYC GD SERIES Deep Cycle Battery

200AH

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Http://www.jycbattery.com
GD1000-2 2V1000AH
GD SERIES-Deep Cycle Battery

Specifications

- Nominal Voltage: 2V
- Nominal Capacity (10HR): 1000.0Ah@10hr-rate to 1.80V per cell @25℃

Dimensions
- Length: 475±3mm (18.70 inches)
- Width: 175±3mm (6.89 inches)
- Container Height: 328±3mm (12.91 inches)
- Total Height (with Terminal): 350±3mm (13.78 inches)

Approximate Weight
- Approx. 52.0 Kg (114.64 lbs)

Terminal Type
- T11

Container Material
- ABS

Max. Discharge Current
- 4000A (5s)

Internal Resistance
- Approx. 0.55mΩ

Operating Temp. Range
- Discharge: -20~60℃ (-4~140℉)
- Charge: 0~50℃ (32~122℉)
- Storage: -20~60℃ (-4~140℉)

Nominal Operating Temp. Range
- 25±5℃ (77±41℉)

Float Charging Voltage
- Recommended Maximum: 2.27 to 2.3 VDC/unit Average at 25℃
- Charging Current Limit: 200 A

Equalization and Cycle Service
- 2.43 to 2.47 VDC/unit Average at 25℃

Capacity Affected by Temperature
- 40℃ (104℉): 103%
- 25℃ (77℉): 100%
- 0℃ (32℉): 86%

Self Discharge
- JYC GD series batteries may be stored for up to 6 months at 25℃ (77℉) and then a freshening charge is required.
- For higher temperatures, the time interval will be shorter.

Applications
- Electric tools
- Vehicle in place of walking
- Lawn mowers
- Golf trolleys and golf cart
- Portable apparatus, lights and instruments
- Electric toys
- Illumination light
- Fire alarms
- Portable power
- Wheelchairs
- Solar energy systems
- Marine
- RV
- Medical equipments.

ISO 9001, ISO 14001, OHSAS 18001

Applications
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- Solar energy systems
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Constant Current Discharge Characteristics: A (25℃)

<table>
<thead>
<tr>
<th>F.V/Time</th>
<th>15MIN</th>
<th>30MIN</th>
<th>1HR</th>
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Constant Power Discharge Characteristics: W(25℃)

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</table>

Note: The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.
GD1000-2  2V1000AH
GD SERIES-Deep Cycle Battery

Dimensions

- **T11 Terminal**
  - Unit: mm [inches]
  - 20 [0.787]
  - M8 [0.315]
  - 7 [0.276]
  - 175 [7.000]

Life characteristics of cyclic use

- **Discharge characteristic Curve**
- **Charge characteristic Curve for standby use**

Storage characteristic

- **Charge and Storage guidelines**

Discharge characteristic Curve

- **Terminal Voltage (V)**
- **Discharge Time (Hr)**

JYC GD BATTERIES
This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specification are subject to modification without notice. Contact JYC for the latest information.

Http://www.jycbattery.com
GD1500-2  2V1500AH
GD SERIES-Deep Cycle Battery

Specification
Nominal Voltage  2V
Nominal Capacity (10HR)  1500.0AH@10hr-rate to 1.80V per cell @25℃

Dimension
Length  403±3mm (15.87 inches)
Width  354±3mm (13.94 inches)
Container Height  339±3mm (13.35 inches)
Total Height (with Terminal)  349±3mm (13.74 inches)

Approx Weight
Terminal T11
Container Material ABS
Max. Discharge Current  6000A (5s)
Internal Resistance  Approx 0.50mΩ

Operating Temp. Range
Discharge: -20~60℃ (-4~140℉)
Charge: 0~50℃ (32~122℉)
Storage: -20~60℃ (-4~140℉)

Nominal Operating Temp. Range
25±5℃ (77±41℉)

Float charging Voltage
2.27 to 2.3 VDC/unit Average at 25℃

Recommended Maximum Charging Current Limit
300 A

Equalization and Cycle Service
2.43 to 2.47 VDC/unit Average at 25℃

Capacity affected by Temperature
40℃ (104℉)  103%
25℃ (77 ℉)  100%
0℃ (32 ℉)  86%

Self Discharge
JYC GD series batteries may be stored for up to 6 months at 25℃ (77 ℉) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Applications
- Electric tools
- Vehicle in place of walking
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ISO 9001  ISO 14001  OHSAS 18001
CE  RoHS

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<td>399.5</td>
<td>327.6</td>
<td>283.5</td>
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</table>

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

Http://www.jycbattery.com
Supplementary charge required (Carry out supplementary charge before use if 100% capacity is required)

Supplementary charge and storage guidelines

Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this state is reached.

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