



# EURONET

## GOLD SERIES SOLAR TUBULAR BATTERY





# EURONET

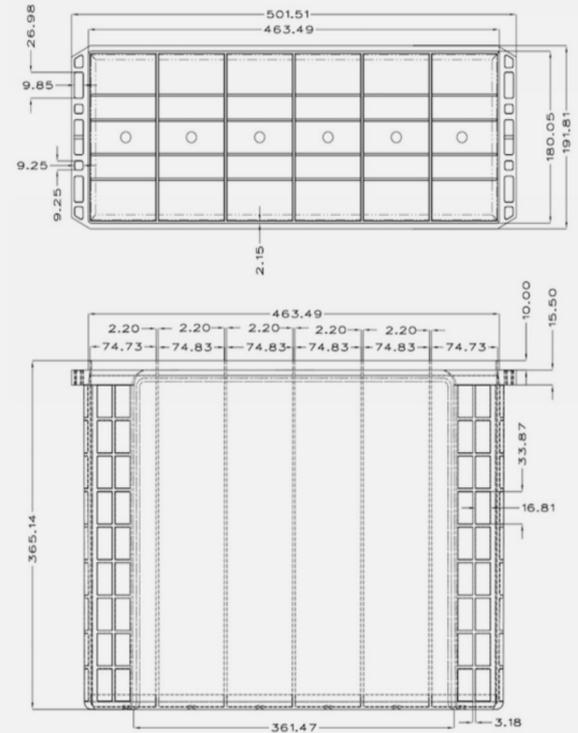
ISO 9001: 2015 CERTIFIED COMPANY

## GOLD SERIES

## SOLAR TUBULAR BATTERY



| GOLD SERIES<br>Technical Specification           |              | 12V 200Ah  |
|--|--------------|--|
| Nominal Voltage                                  |              | 12 V   |
| Capacity<br>(25°C)                               | 20HR         | 200 Ah   |
|  | 10HR         | 175 Ah   |
|  | 5HR          | 153 Ah   |
| Dimension  | Length       | 505 ± 2mm  |
|  | Width        | 180 ± 2mm  |
|  | Height       | 365 ± 2mm  |
|  | Total Height | 365 ± 2mm  |
| Approx. Gross Weight                             |              | 62 kg (139.9lbs) ± 3%                                    |
| Terminal type                                    |              | E  |
| Internal resistance<br>(Fully charged, 25°C)     |              | Approx. 5mΩ  |
| Capacity<br>affected by<br>temperature<br>(10HR) | 40°C         | 102%   |
|  | 27°C         | 100%   |
|  | 0°C          | 85%  |
|  | -15°C        | 65%  |
| Self-discharge<br>(25°C)                         | 3 month      | Remaining Capacity: 85%                                  |
|  | 6 month      | Remaining Capacity: 72%                                  |
|  | 12 month     | Remaining Capacity: 46%                                  |
| Nominal operating<br>temperature                 |              | 25°C ± 3°C (80°F ± 5°F)                                  |
| Operating<br>temperature<br>range                | Discharge    | -15°C ~ 50°C (5°F ~ 122°F)                               |
|  | Charge       | -10°C ~ 50°C (14°F ~ 122°F)                              |
|  | Storage      | -20°C ~ 50°C (-4°F ~ 122°F)                              |
| Float charging voltage(25°C)                     |              | 13.50 to 13.80V<br>Temperature compensation:<br>-18mV/°C |
| Cyclic charging voltage(25°C)                    |              | 14.50 to 15.00V<br>Temperature compensation:<br>-30mV/°C |
| Maximum charging current                         |              | 20A  |
| Maximum discharge current                        |              | 1600A (5 sec.)   |
| Designed floating life(25°C)                     |              | 12 years   |



### Ah & Wh Efficiency

|               |       |
|---------------|-------|
| Ah Efficiency | > 93% |
| Wh Efficiency | >85%  |





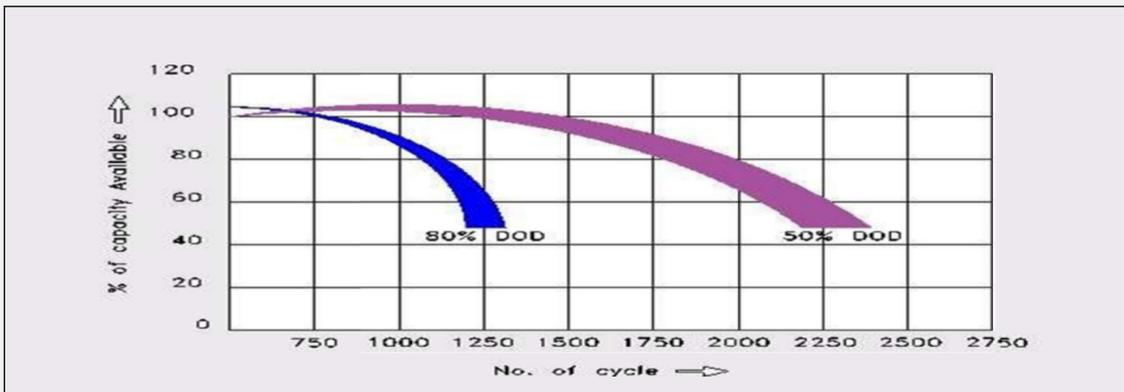
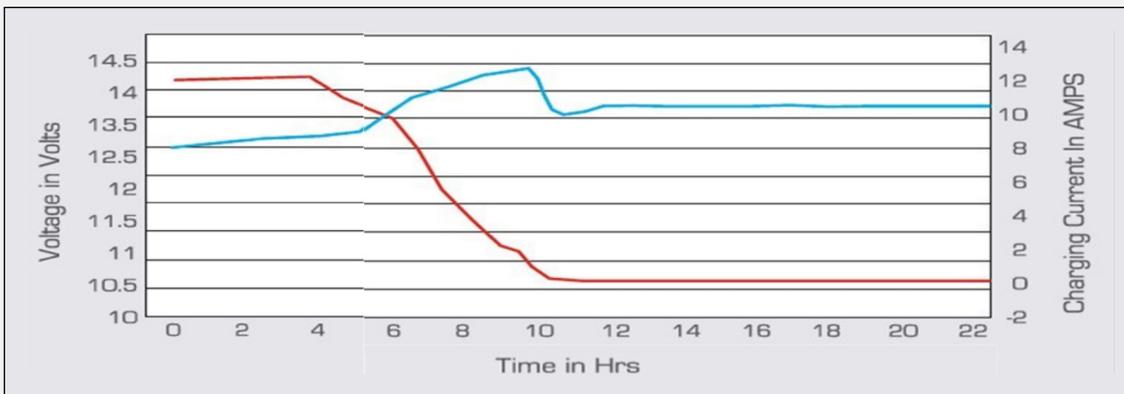
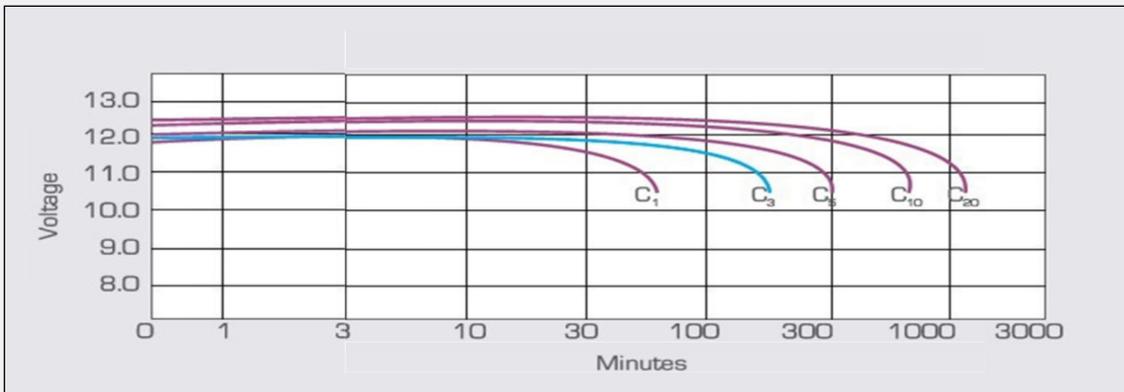
# EURONET

ISO 9001: 2015 CERTIFIED COMPANY

**GOLD SERIES**

## SOLAR TUBULAR BATTERY

| Battery Specified Capacity Test @ 27 Degree °C |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
| C20@10.5V                                      | C10@10.8V | C5@10.8V  | C3@10.8V  | C2@10.8V  | C1@10.5V  |
| 200  | 175       | 153       | 133       | 117       | 102       |
| C20@12.60                                      | C20@11.50 | C20@11.25 | C20@11.00 | C20@10.80 | C20@10.50 |
| 0:00   | 1:55      | 2:58      | 3:30      | 3:56      | 4:06      |





# EURONET

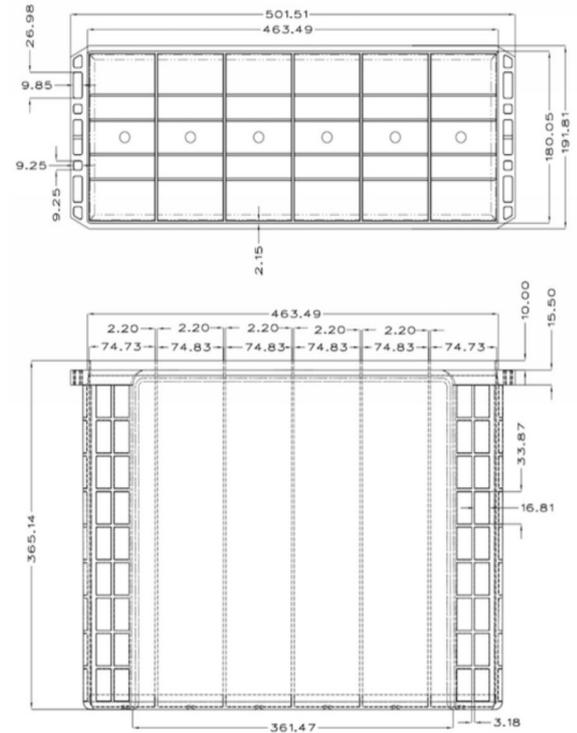
ISO 9001: 2015 CERTIFIED COMPANY

## GOLD SERIES

## SOLAR TUBULAR BATTERY



| GOLD SERIES<br>Technical Specification           |              | 12V 220Ah  |
|--|--------------|--|
| Nominal Voltage                                  |              | 12 V   |
| Capacity<br>(25°C)                               | 20HR         | 220 Ah   |
|  | 10HR         | 192 Ah   |
|  | 5HR          | 168 Ah   |
| Dimension  | Length       | 505 ± 2mm  |
|  | Width        | 180 ± 2mm  |
|  | Height       | 365 ± 2mm  |
|  | Total Height | 365 ± 2mm  |
| Approx. Gross Weight                             |              | 64 kg (139.9lbs) ± 3%                                    |
| Terminal type                                    |              | E  |
| Internal resistance<br>(Fully charged, 25°C)     |              | Approx. 5mΩ  |
| Capacity<br>affected by<br>temperature<br>(10HR) | 40°C         | 102%   |
|  | 27°C         | 100%   |
|  | 0°C          | 85%  |
|  | -15°C        | 65%  |
| Self-discharge<br>(25°C)                         | 3 month      | Remaining Capacity: 85%                                  |
|  | 6 month      | Remaining Capacity: 72%                                  |
|  | 12 month     | Remaining Capacity: 46%                                  |
| Nominal operating<br>temperature                 |              | 25°C ± 3°C (80°F ± 5°F)                                  |
| Operating<br>temperature<br>range                | Discharge    | -15°C ~ 50°C (5°F ~ 122°F)                               |
|  | Charge       | -10°C ~ 50°C (14°F ~ 122°F)                              |
|  | Storage      | -20°C ~ 50°C (-4°F ~ 122°F)                              |
| Float charging voltage(25°C)                     |              | 13.50 to 13.80V<br>Temperature compensation:<br>-18mV/°C |
| Cyclic charging voltage(25°C)                    |              | 14.50 to 15.00V<br>Temperature compensation:<br>-30mV/°C |
| Maximum charging current                         |              | 20A  |
| Maximum discharge current                        |              | 1600A (5 sec.)   |
| Designed floating life(25°C)                     |              | 12 years   |



### Ah & Wh Efficiency

|               |       |
|---------------|-------|
| Ah Efficiency | > 93% |
| Wh Efficiency | >85%  |





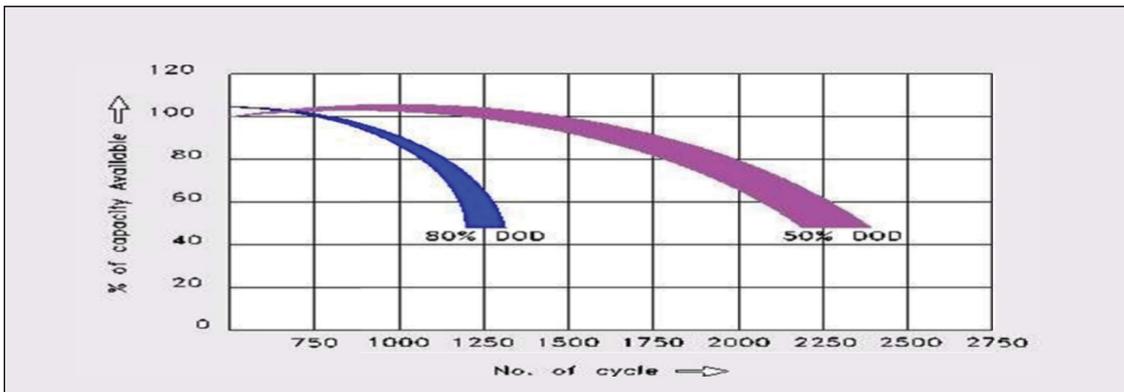
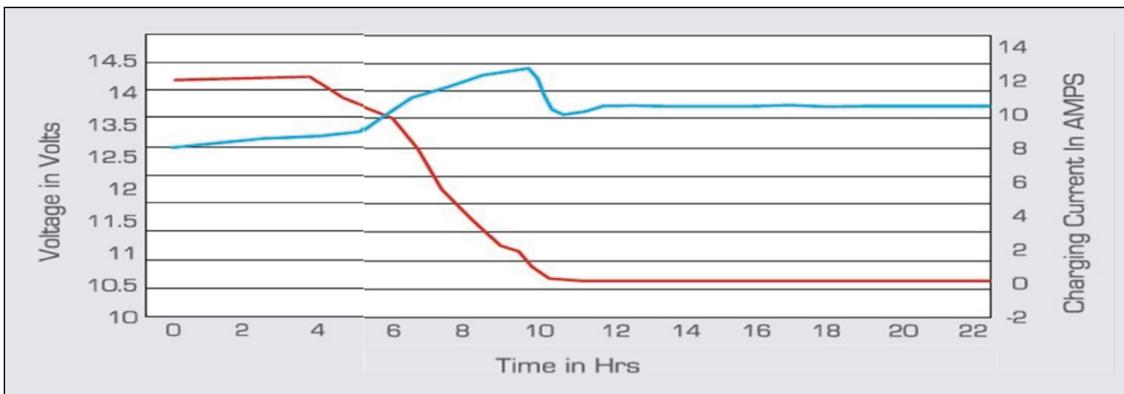
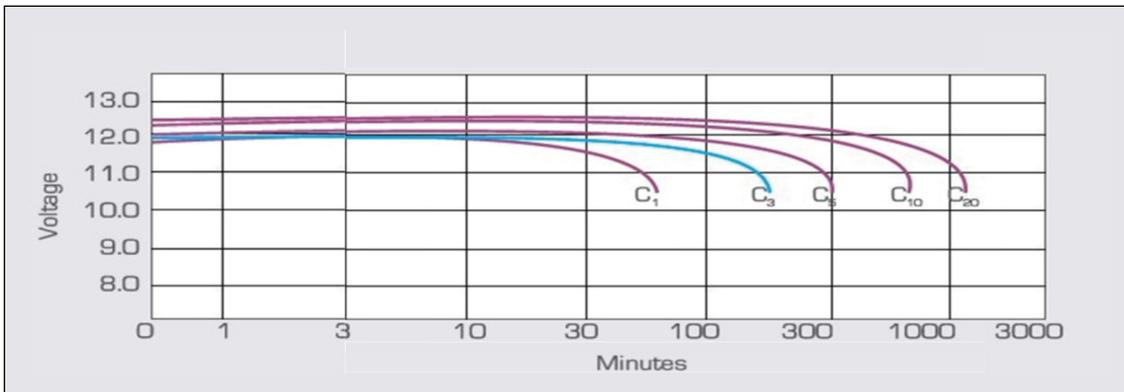
# EURONET

ISO 9001: 2015 CERTIFIED COMPANY

**GOLD SERIES**

## SOLAR TUBULAR BATTERY

| Battery Specified Capacity Test @ 27 Degree °C |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
| C20@10.5V                                      | C10@10.8V | C5@10.8V  | C3@10.8V  | C2@10.8V  | C1@10.5V  |
| 220  | 192       | 168       | 147       | 129       | 112       |
| C20@12.60                                      | C20@11.50 | C20@11.25 | C20@11.00 | C20@10.80 | C20@10.50 |
| 0:00   | 2:15      | 3:12      | 3:50      | 4:12      | 4:21      |





# EURONET

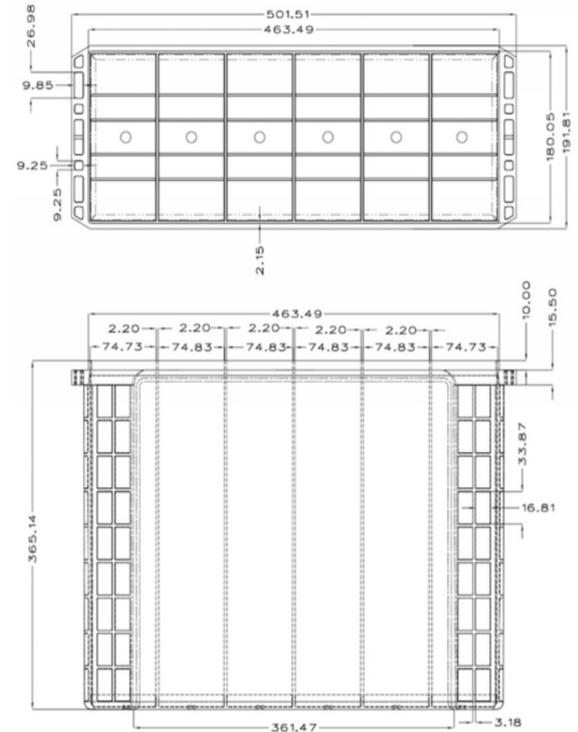
ISO 9001: 2015 CERTIFIED COMPANY

## GOLD SERIES

## SOLAR TUBULAR BATTERY



| <b>GOLD SERIES</b>                        |              | <b>12V 250Ah</b>                                      |
|---|--------------|---|
| <b>Technical Specification</b>            |              |   |
| Nominal Voltage                           |              | 12 V  |
| Capacity (25°C)                           | 20HR         | 250 Ah  |
|   | 10HR         | 218 Ah  |
|   | 5HR          | 190 Ah  |
| Dimension                                 | Length       | 505 ± 2mm   |
|   | Width        | 180 ± 2mm   |
|   | Height       | 365 ± 2mm   |
|   | Total Height | 365 ± 2mm   |
| Approx. Gross Weight                      |              | 66 kg (145.5lbs) ± 3%                                 |
| Terminal type                             |              | E   |
| Internal resistance (Fully charged, 25°C) |              | Approx. 5mΩ   |
| Capacity affected by temperature (10HR)   | 40°C         | 102%  |
|   | 27°C         | 100%  |
|   | 0°C          | 85%   |
|   | -15°C        | 65%   |
| Self-discharge (25°C)                     | 3 month      | Remaining Capacity: 85%                               |
|   | 6 month      | Remaining Capacity: 72%                               |
|   | 12 month     | Remaining Capacity: 46%                               |
| Nominal operating temperature             |              | 25°C ± 3°C (80°F ± 5°F)                               |
| Operating temperature range               | Discharge    | -15°C ~ 50°C (5°F ~ 122°F)                            |
|   | Charge       | -10°C ~ 50°C (14°F ~ 122°F)                           |
|   | Storage      | -20°C ~ 50°C (-4°F ~ 122°F)                           |
| Float charging voltage(25°C)              |              | 13.50 to 13.80V<br>Temperature compensation: -18mV/°C |
| Cyclic charging voltage(25°C)             |              | 14.50 to 15.00V<br>Temperature compensation: -30mV/°C |
| Maximum charging current                  |              | 20A   |
| Maximum discharge current                 |              | 1600A (5 sec.)  |
| Designed floating life(25°C)              |              | 12 years  |



### Ah & Wh Efficiency

|               |       |
|---------------|-------|
| Ah Efficiency | > 93% |
| Wh Efficiency | >85%  |





# EURONET

ISO 9001: 2015 CERTIFIED COMPANY

## GOLD SERIES

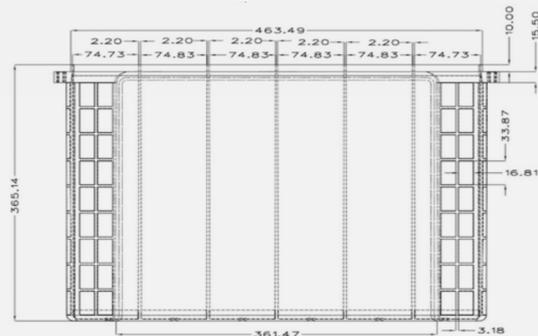
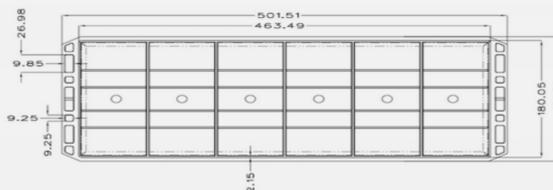
## SOLAR TUBULAR BATTERY



| <b>GOLD SERIES</b><br>Technical Specification |              | <b>12V 200Ah</b>   | <b>12V 220Ah</b>   | <b>12V 250Ah</b>   |
|---|--------------|--|--|--|
| Nominal Voltage                               |              | 12 V   | 12 V   | 12 V   |
| Capacity<br>(25°C)                            | 20HR         | 200 Ah   | 220 Ah   | 250 Ah   |
|   | 10HR         | 175 Ah   | 192 Ah   | 218 Ah   |
|   | 5HR          | 153 Ah   | 168 Ah   | 190 Ah   |
| Dimension                                     | Length       | 505 ± 2mm  | 505 ± 2mm  | 505 ± 2mm  |
|   | Width        | 180 ± 2mm  | 180 ± 2mm  | 180 ± 2mm  |
|   | Height       | 365 ± 2mm  | 365 ± 2mm  | 365 ± 2mm  |
|   | Total Height | 365 ± 2mm  | 365 ± 2mm  | 365 ± 2mm  |
| Approx. Gross Weight                          |              | 62 kg (139.9lbs) ± 3%                                    | 64 kg (139.9lbs) ± 3%                                    | 66 kg (145.5lbs) ± 3%                                    |
| Terminal type                                 |              | E  | E  | E  |
| Internal resistance<br>(Fully charged, 25°C)  |              | Approx. 5mΩ  | Approx. 5mΩ  | Approx. 5mΩ  |
| Capacity affected by temperature<br>(10HR)    | 40°C         | 102%   | 102%   | 102%   |
|   | 27°C         | 100%   | 100%   | 100%   |
|   | 0°C          | 85%  | 85%  | 85%  |
|   | -15°C        | 65%  | 65%  | 65%  |
| Self-discharge<br>(25°C)                      | 3 month      | Remaining Capacity: 85%                                  | Remaining Capacity: 85%                                  | Remaining Capacity: 85%                                  |
|   | 6 month      | Remaining Capacity: 72%                                  | Remaining Capacity: 72%                                  | Remaining Capacity: 72%                                  |
|   | 12 month     | Remaining Capacity: 46%                                  | Remaining Capacity: 46%                                  | Remaining Capacity: 46%                                  |
| Nominal operating temperature                 |              | 25°C ± 3°C (80°F ± 5°F)                                  | 25°C ± 3°C (80°F ± 5°F)                                  | 25°C ± 3°C (80°F ± 5°F)                                  |
| Operating temperature range                   | Discharge    | -15°C ~ 50°C (5°F ~ 122°F)                               | -15°C ~ 50°C (5°F ~ 122°F)                               | -15°C ~ 50°C (5°F ~ 122°F)                               |
|   | Charge       | -10°C ~ 50°C (14°F ~ 122°F)                              | -10°C ~ 50°C (14°F ~ 122°F)                              | -10°C ~ 50°C (14°F ~ 122°F)                              |
|   | Storage      | -20°C ~ 50°C (-4°F ~ 122°F)                              | -20°C ~ 50°C (-4°F ~ 122°F)                              | -20°C ~ 50°C (-4°F ~ 122°F)                              |
| Float charging voltage(25°C)                  |              | 13.50 to 13.80V<br>Temperature compensation:<br>-18mV/°C | 13.50 to 13.80V<br>Temperature compensation:<br>-18mV/°C | 13.50 to 13.80V<br>Temperature compensation:<br>-18mV/°C |
| Cyclic charging voltage(25°C)                 |              | 14.50 to 15.00V<br>Temperature compensation:<br>-30mV/°C | 14.50 to 15.00V<br>Temperature compensation:<br>-30mV/°C | 14.50 to 15.00V<br>Temperature compensation:<br>-30mV/°C |
| Maximum charging current                      |              | 20A  | 20A  | 20A  |
| Maximum discharge current                     |              | 1600A (5 sec.)   | 1600A (5 sec.)   | 1600A (5 sec.)   |
| Designed floating life(25°C)                  |              | 12 years   | 12 years   | 12 years   |

### Ah & Wh Efficiency

|               |       |
|---------------|-------|
| Ah Efficiency | > 93% |
| Wh Efficiency | > 85% |





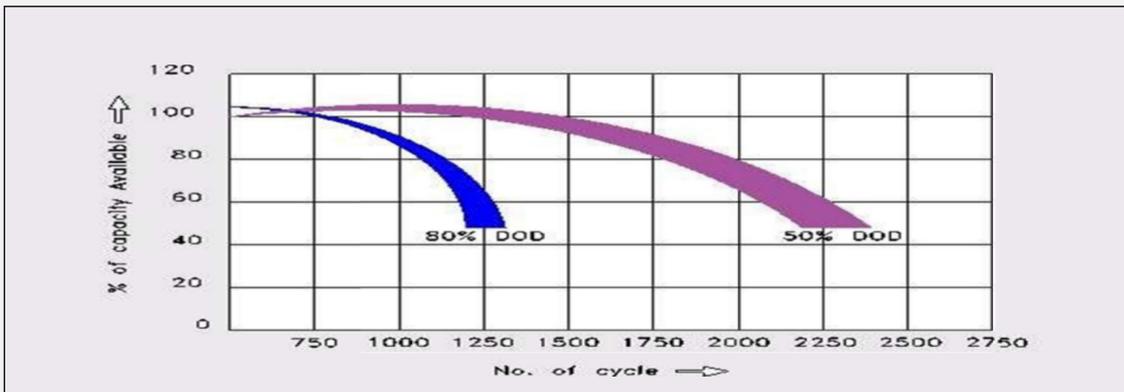
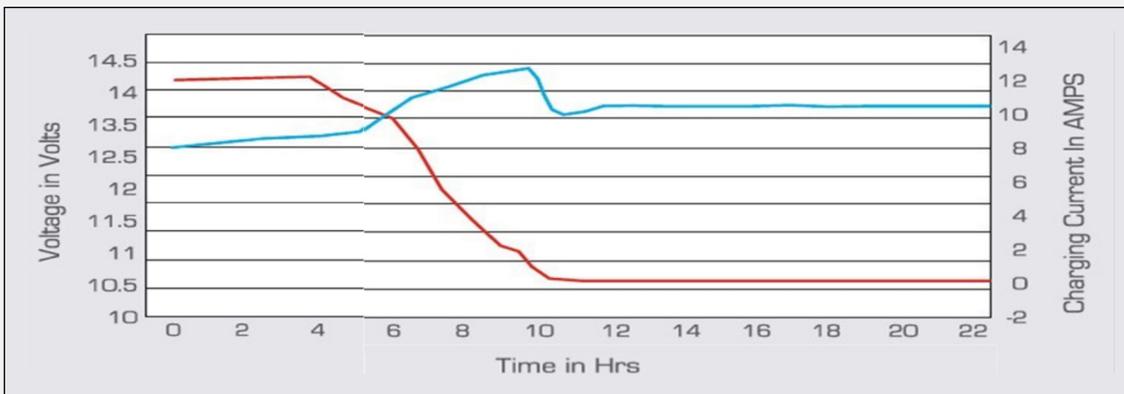
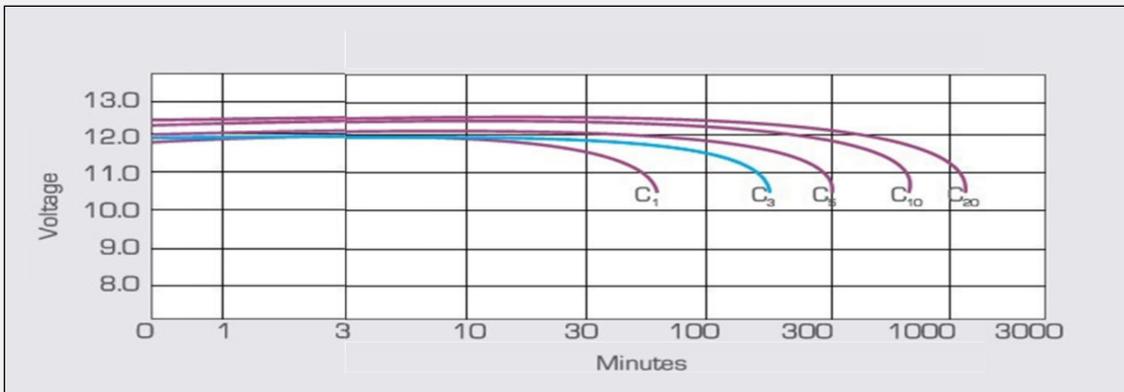
# EURONET

ISO 9001: 2015 CERTIFIED COMPANY

**GOLD SERIES**

## SOLAR TUBULAR BATTERY

| Battery Specified Capacity Test @ 27 Degree °C |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
| C20@10.5V                                      | C10@10.8V | C5@10.8V  | C3@10.8V  | C2@10.8V  | C1@10.5V  |
| 200  | 175       | 153       | 133       | 117       | 102       |
| C20@12.60                                      | C20@11.50 | C20@11.25 | C20@11.00 | C20@10.80 | C20@10.50 |
| 0:00   | 1:55      | 2:58      | 3:30      | 3:56      | 4:06      |





# EURONET

ISO 9001: 2015 CERTIFIED COMPANY

**GOLD SERIES**

## SOLAR TUBULAR BATTERY

| Battery Specified Capacity Test @ 27 Degree °C |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
| C20@10.5V                                      | C10@10.8V | C5@10.8V  | C3@10.8V  | C2@10.8V  | C1@10.5V  |
| 250  | 218       | 190       | 166       | 145       | 125       |
| C20@12.60                                      | C20@11.50 | C20@11.25 | C20@11.00 | C20@10.80 | C20@10.50 |
| 0:00   | 2:25      | 3:31      | 4:05      | 4:32      | 4:49      |

