



### PHYSICAL SPECIFICATION

|  |                  |                     |
|--|------------------|---------------------|
| Nominal Voltage  |                  | 12V                 |
| Nominal Capacity (10Hr)  |                  | 70Ah                |
| Dimension  | Length           | 395 ±2mm            |
|  | Width            | 105 ±2mm            |
|  | Container Height | 270 ±2mm            |
|  | Total Height     | 270 ±2mm            |
| Drawing 400372-0   |                  | Weight 24,5 Kg ± 5% |
| Standard Terminal  |                  | Bolt Type: M6       |
| <p>Technical drawings showing dimensions: Length 395±2, Width 105±2, Container Height 270±2, Total Height 270±2. Terminal details include M6 bolts and terminal spacing of 170 and 72. A detail view shows a terminal with a diameter of 15mm and a thread of M6mm. A 5mm dimension is also indicated. The drawings also show the date of production (nnyyl), site of production, year of production, and month of production. The color of the box and lid is grey RAL 7032, and the color of the silkscreen is green RAL 6002.</p> |                  |                     |

### ELECTRICAL SPECIFICATION

| Characteristics                  |                       |  | Discharge curves @ 25° C (77 °F)  |  |
|----------------------------------|-----------------------|--|---|--|
| Capacity                         | 10 hour rate (1,8Vpc) | 70,00Ah  | <p>Discharge Characteristics(25°C/77 °F)</p> <p>The graph plots Loading Voltage (7.8V to 13.2V) against Discharge Time (0.1 min to 20 h). Curves are shown for current loads of 225A, 150A, 75A, 45A, 18.8A, 12.8A, 6.75A, and 3.75A.</p> |  |
|                                  | 8 hour rate (1,8Vpc)  | 64,48Ah  |   |  |
|                                  | 5 hour rate (1,7Vpc)  | 62,00Ah  |   |  |
|                                  | 3 hour rate (1,7Vpc)  | 56,10Ah  |   |  |
|                                  | 1 hour rate (1,65Vpc) | 46,73Ah  |   |  |
| Capacity affected by temperature | 40°C                  | 102%   |   |  |
|                                  | 20°C                  | 100%   |   |  |
|                                  | 0°C                   | 85%  |   |  |
| Internal Resistance 7,5 mΩ ±10%  |                       | SCC 1650 A ±10%  |   |  |
| Constant Voltage Charge          | Cycle                 | Initial Charging Current less than 20 A<br>Voltage 14,40~15,00V at 20°C<br>Temperature Coefficient -30 mV/°C |   |  |
|                                  | Stand by              | No limit on Initial Charging Current<br>Voltage 13,50~13,80V at 20°C<br>Temperature Coefficient -20 mV/°C    |   |  |

### Constant Current(Amp) and Constant Power (Watt/Cell) Discharge Table at 20° C

| Time  |   | 5min   | 15min  | 30min  | 60min | 90min | 120min | 180min | 300min | 480min | 600min |
|-------|---|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|
| 9,9V  | A | 230,63 | 125,33 | 77,81  | 46,73 | 31,86 | 26,60  | 18,90  | 12,55  | 8,28   | 7,76   |
|       | W | 395,70 | 224,55 | 140,90 | 85,67 | 60,72 | 49,70  | 36,89  | 24,15  | 16,70  | 15,32  |
| 10,2V | A | 222,30 | 122,40 | 76,60  | 46,30 | 31,59 | 25,90  | 18,70  | 12,40  | 8,24   | 7,65   |
|       | W | 383,60 | 220,20 | 139,90 | 85,40 | 60,46 | 49,30  | 35,90  | 23,90  | 16,40  | 14,78  |
| 10,8V | A | 186,30 | 109,90 | 72,40  | 43,20 | 30,29 | 25,10  | 18,20  | 12,10  | 8,06   | 7,00   |
|       | W | 339,40 | 206,50 | 135,10 | 82,60 | 59,41 | 48,70  | 35,30  | 23,50  | 16,00  | 14,67  |