
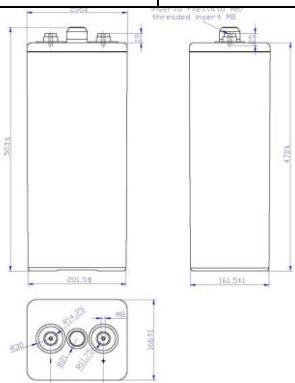
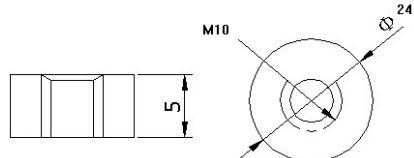
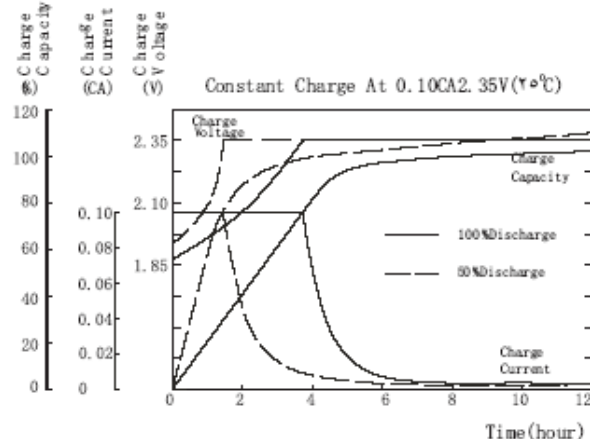


| | |
|--|-----------------|
|  | <h1>7STG70</h1> |
|--|-----------------|

PHYSICAL SPECIFICATION

| | | |
|--|------------------|---|
| Nominal Voltage | | 2V |
| Nominal Capacity (10Hr) | | 500Ah |
| Dimension | Length | 206 ±2mm |
| | Width | 166 ±2mm |
| | Container Height | 470 ±2mm |
| | Total Height | 503 ±2mm |
| Drawing 400219-0 | | Weight 42,0 Kg ± 5% |
| Standard Terminal | | Bolt Type: M10 |
|  | | Bolt-and-nut terminal Bolt Type: M10 |
| | |  <p style="text-align: center;">(in mm)</p> |

ELECTRICAL SPECIFICATION

| Characteristics | | | Charging curves @ 20°C |
|----------------------------------|--------------|---|--|
| Capacity | 10 hour rate | 500,00Ah |  |
| | 8 hour rate | 466,32Ah | |
| | 5 hour rate | 404,75Ah | |
| | 3 hour rate | 386,13Ah | |
| | 1 hour rate | 336,00Ah | |
| Capacity affected by temperature | 40°C | 102% | |
| | 20°C | 100% | |
| | 0°C | 85% | |
| Internal Resistance 0,44 mΩ±10% | | SCC 4700 A ±10% | |
| Charge Voltage | Standby | Max Charge Current 100 A Floating Voltage 2,23V at 20°C Boost Charge 2,35V at 20°C Temperature Coefficient -20 mV/°C | |

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

| Time | | 30 min | 60 min | 90 min | 2 h | 3 h | 5 h | 8 h | 10 h | 100 h | 120 h |
|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 1,65V | A | 459,00 | 312,00 | 257,86 | 173,33 | 133,57 | 85,81 | 60,00 | 52,50 | 6,79 | 5,76 |
| | W | 737,10 | 574,94 | 471,62 | 376,32 | 288,75 | 190,32 | 132,30 | 110,25 | 13,11 | 11,19 |
| 1,70V | A | 443,57 | 298,66 | 248,81 | 167,14 | 128,71 | 85,00 | 59,43 | 52,00 | 6,86 | 5,82 |
| | W | 711,90 | 550,37 | 455,07 | 362,88 | 278,25 | 188,53 | 131,04 | 109,20 | 13,24 | 11,30 |
| 1,80V | A | 385,71 | 266,67 | 226,19 | 154,76 | 121,43 | 80,95 | 57,14 | 50,00 | 6,60 | 5,60 |
| | W | 630,00 | 491,40 | 413,70 | 336,00 | 262,50 | 179,55 | 126,00 | 105,00 | 12,73 | 10,87 |