



COVAX[®]

GLOBAL POWER EQUIPMENT

TALL TABULAR SOLAR BATTERY



- Eco Friendly
- Low Maintenance
- High Performance

extra
backup

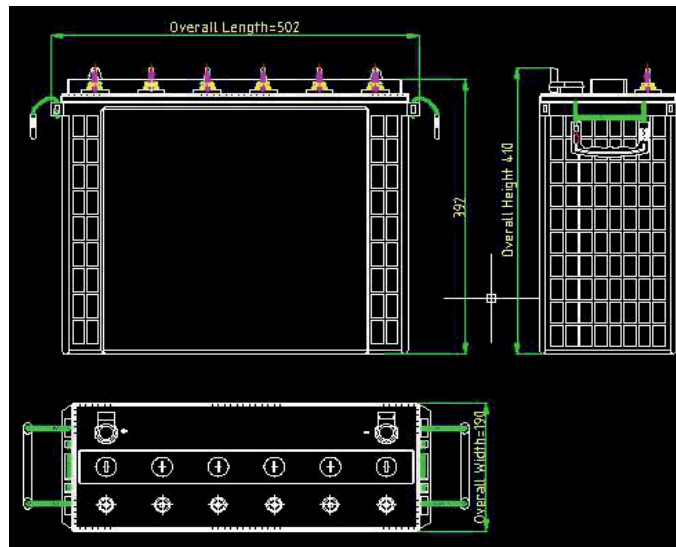
MADE IN INDIA

Specification

12V 200Ah@C20

| | | |
|-------------------------------|----------------------|-----------|
| NOMINAL VOLTAGE | | 12V |
| Rated Capacity (20 hour rate) | | 200 Ah |
| Dimensions in mm | Length | 502 mm |
| | Width | 190 mm |
| | Height upto Terminal | 410 mm |
| Filled Weight | | 64.5 Kgs. |

DIMENSIONS



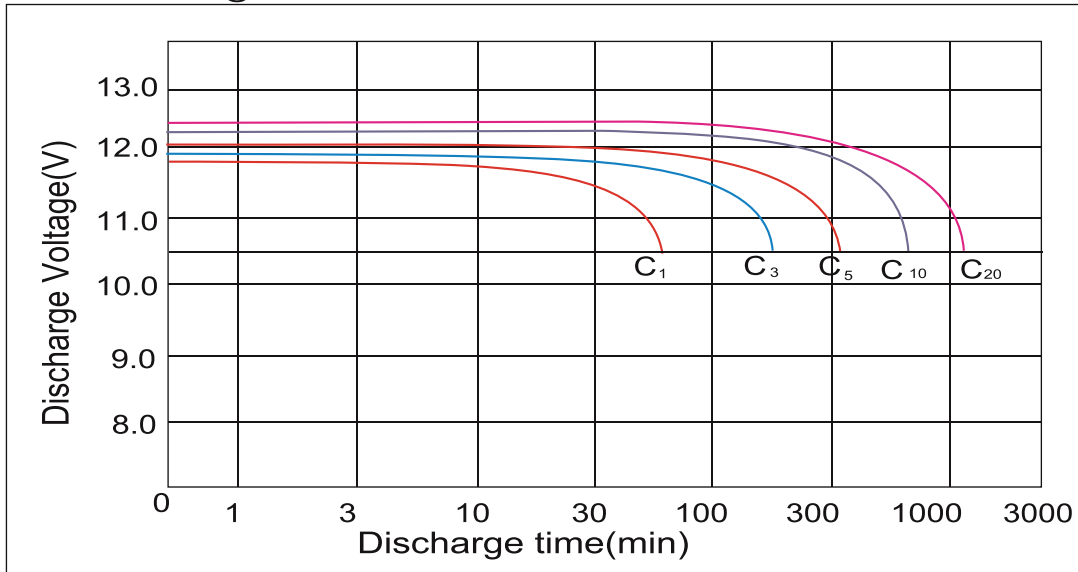
ELECTRICAL PARAMETERS

| | | | |
|-------------------------------------|--------------------------|-----------------|--------------|
| Capacity (27°C) | 20 hour rate to 10.5 ECV | | 200 Ah |
| | 10 hour rate to 10.8 ECV | | 165 Ah |
| | 7 hour rate to 10.8 ECV | | 151 Ah |
| | 5 hour rate to 10.8 ECV | | 137 Ah |
| | 3 hour rate to 10.8 ECV | | 118 Ah |
| | 1 hour rate to 10.5 ECV | | 83 Ah |
| Ah/ Wh Efficiency | Amp. hour Efficiency | | 95% |
| | Watt. hour Efficiency | | 86% |
| Capacity Loss on Storage | | | 3% Per Month |
| Charge method (Constat voltage) | Max. Current | | 20 A |
| | Cyclic Use | Control Voltage | 14.4 V |
| | Float Use | Control Voltage | 13.8 V |

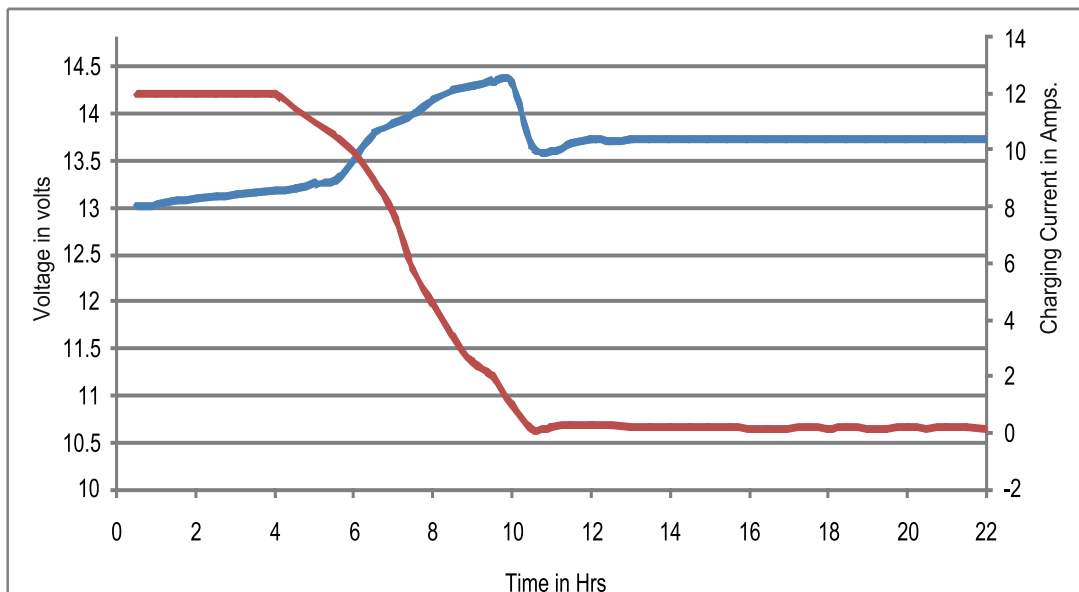
Specification

DISCHARGING CHARACTERISTICS

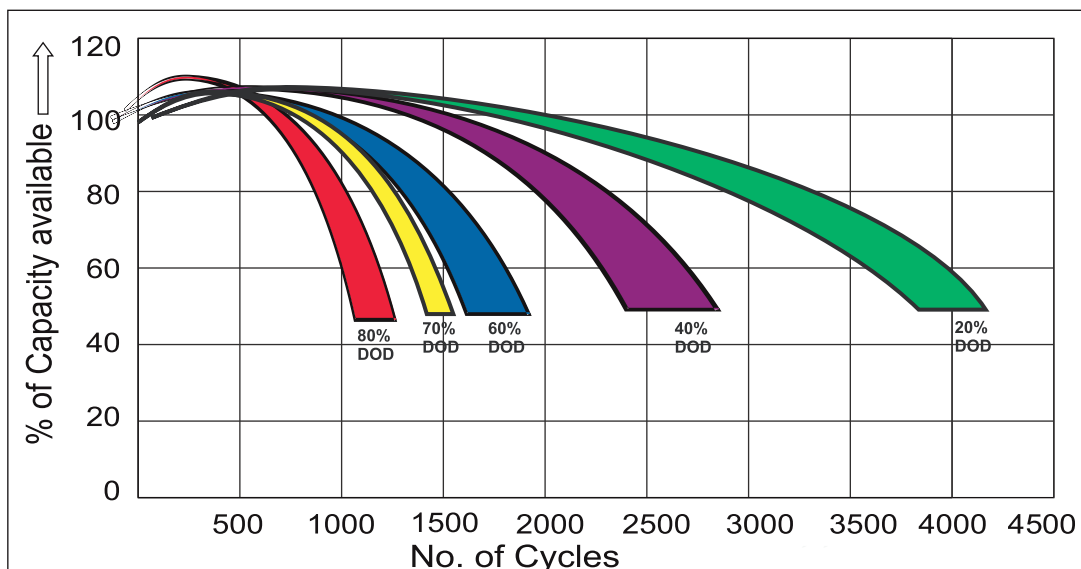
at various rates @27°C



CHARGING CHARACTERISTICS



CYCLE LIFE@ 27°C



Technical Specification

| Model | COVAX Tall Tubular Battery Series | | | | | |
|--|--|-------------|-------------|-------------|-------------|-------------|
| Battery rating | 100Ah | 150Ah | 200Ah | 225Ah | 250Ah | 300Ah |
| Type of Battery | Tubular | | | | | |
| Model Offered | CTT1000 | CTT1500 | CTT2000 | CTT2250 | CTT2500 | CTT3000 |
| Nominal Voltage | 12V | | | | | |
| Number of cell | 6 | | | | | |
| Shelf life | 6 years | | | | | |
| Nominal Capacity(27°C) | | | | | | |
| Cell Capacity @ C20 | 102 Ah | 153 Ah | 200 Ah | 225 Ah | 250 Ah | 300 Ah |
| Cell Capacity @ C10 | 81 Ah | 120 Ah | 176 Ah | 200 Ah | 220 Ah | 250 Ah |
| Cell Capacity @ C3 | 57.5 Ah | 86 Ah | 126 Ah | 150 Ah | 175 Ah | 200 Ah |
| AH Efficiency | > 90% | | | | | |
| WH Efficiency | > 80% | | | | | |
| Recommended max. period of storage | 3 months at 27°C | | | | | |
| Grid Alloy | Lead Antimony alloy | | | | | |
| Container & Lid Material | PPCP | | | | | |
| Sealing Method | Heat Sealing | | | | | |
| Plate type | Tubular Pos. & Flat Neg. | | | | | |
| Separator | Polyethylene | | | | | |
| Terminals & ICC | Bolted type terminals with lead coated fasteners | | | | | |
| Mounting | Vertical | | | | | |
| Acid Level Indicators | Provided | | | | | |
| Supply condition | Factory charged | | | | | |
| Self Discharge at 27°C (average) | 2.5% | 3% | 3% | 3% | 3% | 3% |
| Operating Temp. range | -20~ 50°C | | | | | |
| Discharge | -20~ 50°C | | | | | |
| Charge | -10~ 50°C | | | | | |
| Storage | -20~ 50°C | | | | | |
| Max. Discharge Current 77°F (25°C) | 100 A(3 sec) | 450A(3 sec) | 600A(3 sec) | 675A(3 sec) | 675A(3 sec) | 675A(3 sec) |
| Short Circuit Current | 100 A | 150 A | 200 A | 225 A | 225 A | 225 A |
| Cycle Use | 14.2 - 14.5 V | 14.4 - 14.7 | 14.4 - 14.7 | 14.4 - 14.7 | 14.4 - 14.7 | 14.4 - 14.7 |
| Maximum charging Current 10% of Capacity | 10 Amp | 15 Amp | 20 Amp | 25 Amp | 25 Amp | 25 Amp |
| Temperature compensation | 75mV/300moh | | | | | |
| Weight (Kg) Gross +/- 3% | 52-53 | 56-57 | 64-65 | 67 | 69 | 74 |
| Dimensions (L x W x H)in mm | 505 x 187 x 394 | | | | | |