

## SMF Sealed Maintenance Free Battery



Effective & Reliable Performance  
under Float & Cyclic application



High Deep Cycle  
Recycle Capability



Compact Design for  
Power to Power Ratio



Robust & Aesthetically  
Robust Design

## About us



### Let's improve the quality of life!

From a modest start in early 2000 we invested a lot of time, effort and money solving the customer's problem in the areas of electricity. Today we can't imagine life without electricity. We always strive to offer a solution to our customers which can bring brightness and smiles in their life. After successfully developing market, customer awareness and establishing a few brands in more than 30 countries and having focus on green energy, we have been engaged in the areas of energy storage, renewable energy, storage products and electrical solution.

### The backbone of the company are -

- Having 4 state of the art manufacturing facility in North of India.
- Total installed capacities of all the batteries and inverter are more than 1 Million a year.
- One of the largest OEM supplier & technology partner to conglomerate to big energy & solar brands globally.
- We are ISO 9001 & 14001 Certified company and our Products are CE and UL certified. Our products are also approved for Saber Saleem (SASO), SONCAP by COTECNA, CBCA by VIVAC and NEPQA, Nepal.
- Products complied for JIS 8702-1:2009, IEC 60086, IEC 60896-22:2004.



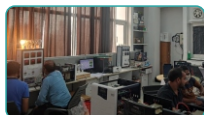
Corporate Inception



Battery Plant 1 in Sonipat



Office in Dubai



R&D Center in Gurugram & Factory in Sudan



Inverter Plant in Gurugram



Battery Plant 2 in Sonipat



HF Off grid & Lithium battery launch

## AGM VRLA Battery

DURASOL AGM VRLA batteries are high quality, maintenance-free batteries produced at state-of-the-art manufacturing facility with advanced battery manufacturing technologies and high purity materials. It has a long float and cyclic life span, high specific energy, and low self-discharge rate. Completely leak-proof, it has excellent anti-corrosion properties and performs flawlessly in varying temperature conditions.

DURASOL AGM VRLA batteries have a design life ranging from 5 to 10 years and are backed by standard warranties depending on the models.



## Salient Features

- Design life of 5 to 10 years at 27°C, depending on the model
- Superior Lead Calcium alloy grid with high density active materials
- Excellent cyclic performance and recovery after over-discharging
- High purity material ensuring low self-discharge
- Valve regulated (sealed) construction for sales operation in any position
- Tank formed plates optimise cell voltage balance and performance
- Completely leak-proof and maintenance-free
- Compact design with high power to power ratio
- High impact ABS casing



Solar Storage



Medical Equipments



Emergency Lighting



Network Comm Equipments



Wind Storage



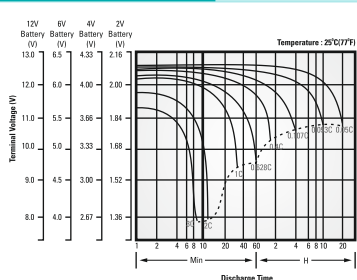
Tele Comm Power supply

# Technical Specifications - C20

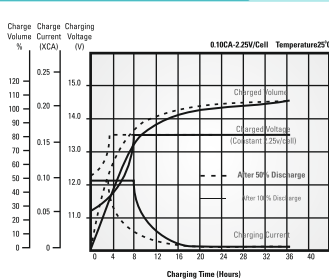
| Model    | Capacity (AH) at 27 °C |                |               |               |               | HRD<br>0.5 hr<br>Amperes<br>9.6V | Dimensions (mm) ± 3mm |        |        |                 | Normal<br>Charging<br>Current (A) | Short<br>Circuit<br>Current (A) | Internal<br>Resistance (mΩ) | Battery<br>Weight (Kg)<br>± 3% | Terminal<br>Type |
|----------|------------------------|----------------|---------------|---------------|---------------|----------------------------------|-----------------------|--------|--------|-----------------|-----------------------------------|---------------------------------|-----------------------------|--------------------------------|------------------|
|          | 20 hr<br>10.5V         | 10 hr<br>10.5V | 5 hr<br>10.5V | 3 hr<br>10.5V | 1 hr<br>10.2V |                                  | Length                | Width  | Height | Total<br>Height |                                   |                                 |                             |                                |                  |
| DU12-7   | 7.00                   | 6.51           | 5.95          | 5.25          | 4.20          | 7.00                             | 151.50                | 65.00  | 94.00  | 100.00          | 0.70                              | 105.00                          | 30.00                       | 2.15                           | F2               |
| DU12-12  | 12.00                  | 11.16          | 10.20         | 9.00          | 7.20          | 12.00                            | 151.00                | 98.00  | 94.50  | 100.00          | 1.20                              | 180.00                          | 15.00                       | 3.55                           | F2               |
| DU12-18  | 18.00                  | 16.74          | 15.30         | 13.50         | 10.80         | 18.00                            | 180.00                | 77.00  | 172.00 | 172.00          | 1.80                              | 270.00                          | 14.00                       | 6.00                           | T4               |
| DU12-28  | 26.00                  | 24.18          | 22.10         | 19.50         | 15.60         | 26.00                            | 166.00                | 176.00 | 125.00 | 125.00          | 2.60                              | 390.00                          | 14.00                       | 8.45                           | T5               |
| DU12-45  | 45.00                  | 41.85          | 38.25         | 33.75         | 27.00         | 45.00                            | 197.00                | 165.00 | 179.00 | 179.00          | 4.50                              | 675.00                          | 13.00                       | 14.50                          | T6               |
| DU12-70  | 65.00                  | 60.45          | 55.25         | 48.75         | 39.00         | 65.00                            | 349.00                | 167.00 | 190.00 | 192.00          | 6.50                              | 975.00                          | 11.00                       | 21.90                          | T6               |
| DU12-100 | 100.00                 | 93.00          | 85.00         | 75.00         | 60.00         | 100.00                           | 331.00                | 173.00 | 223.00 | 225.00          | 10.00                             | 1500.00                         | 5.30                        | 30.00                          | T6               |
| DU12-150 | 150.00                 | 139.50         | 127.50        | 112.50        | 90.00         | 150.00                           | 485.00                | 170.00 | 242.00 | 242.00          | 15.00                             | 2250.00                         | 3.60                        | 43.70                          | T8               |
| DU12-200 | 200.00                 | 186.00         | 170.00        | 150.00        | 120.00        | 200.00                           | 522.00                | 238.00 | 219.00 | 225.00          | 20.00                             | 3000.00                         | 3.60                        | 60.00                          | T8               |
| DU12-220 | 220.00                 | 204.60         | 187.00        | 165.00        | 132.00        | 220.00                           | 522.00                | 238.00 | 219.00 | 225.00          | 22.00                             | 3300.00                         | 3.60                        | 63.00                          | T8               |

## Electrical Performance

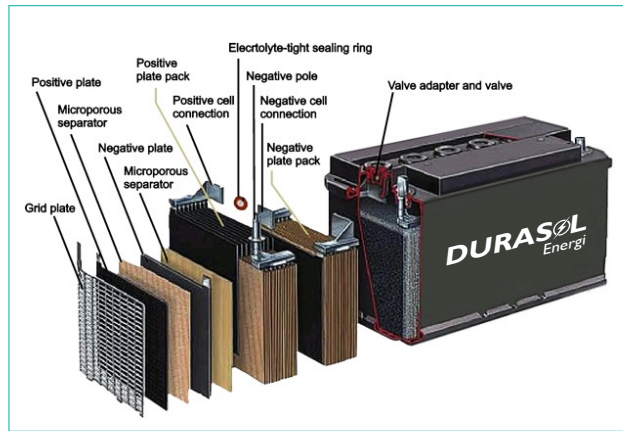
### Discharge Characteristics



### Float Charging Characteristics

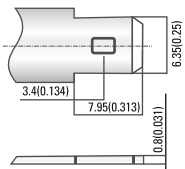


## Cross Section View



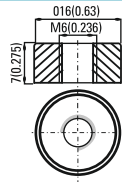
## Battery Terminal Options

### Terminal Type : F2



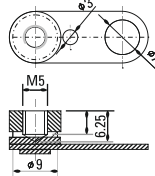
Faston Type (Brass) Quick Disconnect Tabs; Silver Coating For Better Conductivity.

### Terminal Type : T6



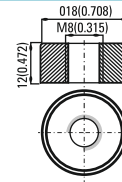
Brass Coated With Tin.  
Threaded Insert  
6mm Stud.  
Torque : 5.2 N\*m

### Terminal Type : T4



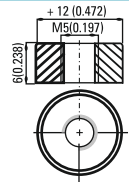
Brass Coated With Tin.  
Threaded Insert  
Torque : 3.0 N\*m

### Terminal Type : T8



Brass Coated With Tin.  
Threaded Insert  
8mm Stud.  
Torque : 12.5 N\*m

### Terminal Type : T5



Brass Coated With Tin.  
Threaded Insert  
5mm Stud.  
Torque : 3.0 N\*m

## OUR COMPLETE RANGE OF ENERGY SOLUTIONS

