

An ISO 9001 : 2015 Company

**DURASOL<sup>®</sup>**  
Energi

LET'S IMPROVE THE QUALITY OF LIFE

# Tall Tubular Battery



## The Powerhouse of your house



Excellent Ampere Hour  
& Watt Hour Efficiency



Superior  
Cyclic Life



Ultra Low  
maintenance



Designed to Operate in  
Partial State of Charge Condition

100Ah | 150Ah | 200Ah | 220Ah | 240Ah | 250Ah

[www.durasolenergi.com](http://www.durasolenergi.com)

## 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

## Tall Tubular Battery

The Tubular Plate technology enable batteries to deliver a larger amount of consistent, reliable power. They are engineered to deliver increased power and efficiency while maximizing the battery life. The Tubular plate batteries performed better on heavy duty application even the maintenance required with this batteries is quite less. The batteries withstand long and frequent power cuts.



- **Long shelf life** - heavy duty tubular plates to give you excellent cyclic life with deep cycle capabilities.
- **Special alloys** for low maintenance of batteries.
- **DARAMIC separator** with high porosity, low electrical resistance and excellent oxidation resistant.
- **Extra thick spines** cast at high pressure to ensure minimum corrosion for reliability, extra-long life and strength.
- **Micro porous aqua trap vent plug** to ensure minimum acid fumes which ensures low maintenance of batteries.
- Ceramic flame arrest or prevents electrical spark to go in and therefore ensures **highest degree of safety** for all domestic and office usage.
- **Excellent performance** under extreme temperature conditions.
- **Aesthetically designed**, low foot print- occupies less space.
- Thick spines for **excellent discharge performance** on heavy loads.
- **Specially designed vent plugs** for minimum acid fumes.
- Most compact Tall Tubular design with global acceptability.
- **Extra thick Gaunlets** suitable for harsh weather condition.
- Leak proof heat sealed **tall PP container**.



Solar Storage



Medical Equipments



Emergency Lighting



Network Comm Equipments



Wind Storage

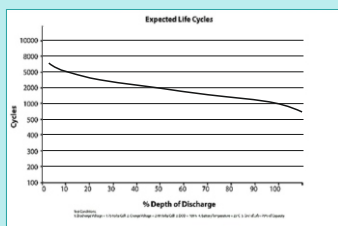


Tele Comm Power supply

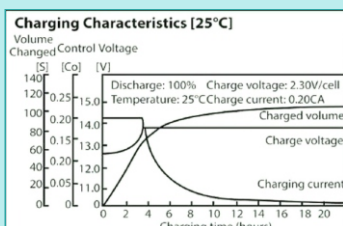
Model	DU 1000	DU 1500	DU 2000	DU 2200	DU 2400	DU 2500
Capacity (Ah/V)	100Ah/12V	150Ah/12V	200Ah/12V	220Ah/12V	240Ah/12V	250Ah/12V
Container	PPCP	PPCP	PPCP	PPCP	PPCP	PPCP
Separator	PVC German					
Design Life	8 Years	8 Years	8 Years	8 Years	8 Years	8 Years
Nominal Capacity(27°C)						
20 Hr Rate	100Ah	150Ah	200Ah	220Ah	240Ah	250Ah
10 Hr Rate	88Ah	132Ah	176.0Ah	193.6Ah	211.2Ah	220Ah
3 Hr Rate	64.5Ah	96.8Ah	129Ah	141.9Ah	154.8Ah	161.25Ah
Self Discharge (pm)	<3%					
Operating Temperature Range						
Discharge / Charge / Storage	0~55°C					
Max. Discharge Current 77°F(25°C)	600A(3s)	600A(3s)	600A(3s)	600A(3s)	600A(3s)	600A(3s)
Short Circuit Current	100A	150A	200A	220A	240A	250A
Charge Methods:	CCCV 77°F(25°C)					
Cycle Use	14.4-14.7V					
Maximum Charging Current	10A	15A	20A	22A	24A	25A
Temperature Compensation	75mV/300moh					
Standby Use	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V
Dimension	503x190x408					
Weight+/-3% Kgs	52	56	64	66	68	71

IS 13369, IEC 60896-11 Stationary Lead Acid Battery, ISO 9001:2015, CE Complied.

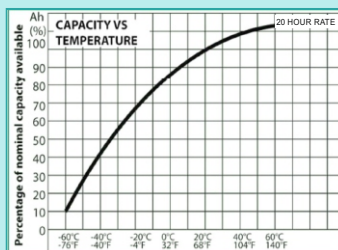
## Electrical Performance



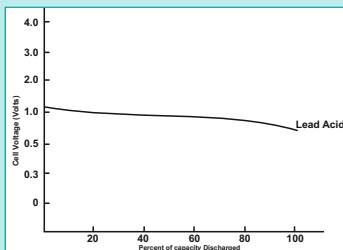
Expected Life Cycle



Charging Characteristics



Capacity vs Temperature



Discharging Characteristics



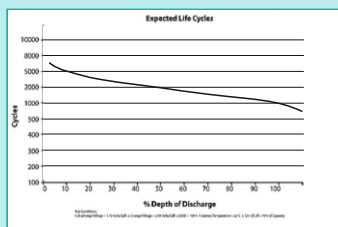


## Technical Specifications - C10

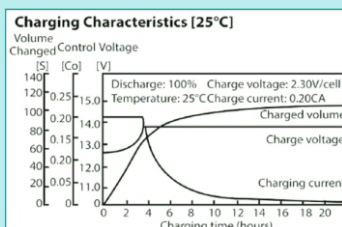
Model	DU 1000	DU 1500	DU 2000	DU 2200	DU 2400	DU 2500
Capacity (Ah/V)	100Ah/12V	150Ah/12V	200Ah/12V	220Ah/12V	240Ah/12V	250Ah/12V
Container	PPCP	PPCP	PPCP	PPCP	PPCP	PPCP
Separator	PVC German					
Design Life	8 Years	8 Years	8 Years	8 Years	8 Years	8 Years
Nominal Capacity(27°C)						
10 Hr Rate	100Ah	150Ah	200Ah	220Ah	240Ah	250Ah
5 Hr Rate	83Ah	124.5Ah	157.7Ah	182.6Ah	199.2Ah	207.5Ah
3 Hr Rate	71.7Ah	107.6Ah	136.2Ah	157.7Ah	172.1Ah	179.3Ah
Self Discharge (pm)	<3%					
Operating Temperature Range	0~55°C					
Discharge / Charge / Storage	0~55°C					
Max. Discharge Current 77°F(25°C)	300A(3s)	450A(3s)	570A(3s)	660A(3s)	720A(3s)	740A(3s)
Short Circuit Current	100A	150A	200A	220A	240A	250A
Charge Methods:	CCCV 77°F(25°C)					
Cycle Use	14.4-14.7V					
Maximum Charging Current	10A	15A	20A	22A	24A	25A
Temperature Compensation	75mV/300moh					
Standby Use	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V
Dimension	503x190x408					
Weight+-3% Kgs	52	58	66	68	70	73

IS 13369, IEC 60896-11 Stationary Lead Acid Battery, ISO 9001:2015, CE Complied.

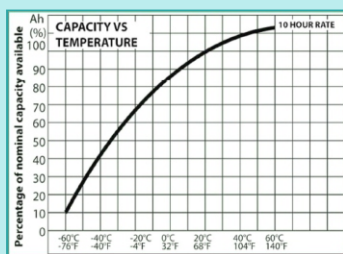
### Electrical Performance



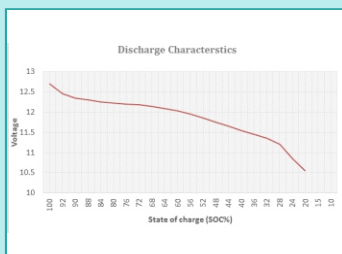
Expected Life Cycle



Charging Characteristics



Capacity vs Temperature



Discharging Characteristics

