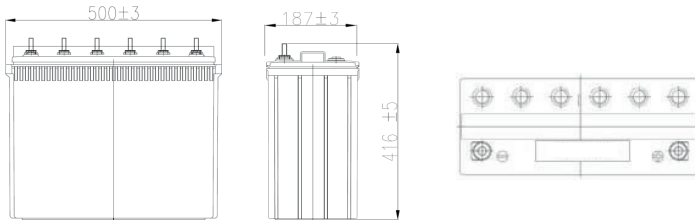


Tubular Batteries MTU

MTU-115 Premium

by EXIDE

TECHNICAL DATA SHEET FOR MTU 115 Premium (12V @ C20) TUBULAR



FEATURES

- Ironclad® Tubular Technology ● Electrolyte level indicator ● High Acid volume per ampere hour ● Deep cycle design
- Tower type design ● Common Side Venting

ADVANTAGES

I Very long life | User friendly | Acid volume per ampere hour is 30% more than that of ordinary tubular batteries. It acts as a coolant and also ensures very low maintenance | Suited for use in areas of frequent power cuts (800 to 1000 cycles of deep discharge as against 300/400 cycles of other batteries) | Can withstand overcharge better | Occupies less floor space, totally new look | Less pollution, environment friendly | Ensures consistent quality

SPECIFICATION CHART

Model	Nominal Voltage (V)	Rated Capacity (Ah) at 27°C C20 @ 1.75 Vpc	Dimensions (in mm.)			Weight (Kg.) +/- 5%		Volume of Electrolyte (1.220 Sp. Gr.) Liters per cell	Initial Charge Minimum AH input(AH)	Initial Charge at constant Current(A)		Constant Potential Limiting Current (Amps)	Trickle Charge (Current in Ma)	
			Overall Height +/-5	'L' +/-3	'W' +/-3	Dry	Filled			Start (up to 2.36vpc)	Finish (up to 20.75vpc)		Min	Max
MTU-115 Premium	12V	115Ah	416	500	187	30.0	55.8	3.38	450	12.0	6.0	25	100	400

*The height mentioned is upto terminal top

INITIAL CHARGING INSTRUCTIONS

1. Filling in Specific Gravity	1.220 +/- 0.005 at 27°C	In case the temperature exceeds 50°C, adequate rest to be given till the electrolyte temp. comes to ambient temp. and charging to be continued.
2. Rest Period	12 hrs.	
3. Minimum Ah input	450Ah for MTU 115	
5. Conditions of fully charged	a) 3 consecutive hourly readings of specific gravity and voltage become constant b) Top of charge voltage will be around 16.2V – 16.5V c) All cells should gas freely d) Minimum Ah has been given	
6. Specific Gravity at fully charged condition	1.250 +/- 0.005 at 27°C	

NORMAL RECHARGING INSTRUCTIONS

Recharging through Inverter at constant potential mode of 14.4V with Limited current as specified . After battery potential reaches 14.4V , the battery should continue in trickle charge mode at constant potential if 13.5V .

Statutory Notice :

All batteries contain lead , which is harmful for humans and environment . As per statutory requirements, the used battery must be returned to the authorized dealer , manufacturer or at the designated collection centres

Discharge Data Amps @27°C

ECV	MTU 115										
	1H	2H	3H	4H	5H	6H	7H	8H	9H	10H	20H
1.70	47.0	31.0	23.6	19.0	16.4	14.7	13.4	12.0	11.0	10.2	5.8
1.75	45.6	30.4	23.1	18.8	16.1	14.5	13.2	11.8	10.9	10.0	5.7
1.80	39.7	27.8	21.5	17.9	15.4	13.9	12.6	11.4	10.5	9.5	5.4
1.85	32.1	23.8	19.2	16.4	14.2	12.6	11.3	10.6	9.8	9.1	5.1

CHARACTERISTICS CURVES

