MADE IN INDIA

Multipower

GLOBAL QUALITY CERTIFICATION

ISO CERTIFIED IEC

ISO 9001- 2015, ISO 14001:2015, IEC 60896 - 21:2004, IEC 60896-22:2004, EN 61427

TALL TUBULAR BATTERY

Technical Specifications (@C10)

Model	**1000**	**1500**	**2000**	**2200**	**2400**	**2500**
Capacity	100Ah	150Ah	200Ah	220Ah	240Ah	250Ah
Container	PPCP	PPCP	PPCP	PPCP	PPCP	PPCP
Separator	PVC German	PVC German	PVC German	PVC German	PVC German	PVC German
Nominal Voltage	12V	12V	12V	12V	12V	12V
No of Cells	6	6	6	6	6	6
Design Life	8	8	8	8	8	8
Nominal Capacity(27^{0}C)						
10 Hr Rate	100Ah	150Ah	200Ah	220Ah	240Ah	250Ah
5 Hr Rate	83Ah	124.5Ah	166Ah	182.6Ah	199.2Ah	207.5Ah
3 Hr Rate	71.7Ah	107.6Ah	143.4Ah	157.7Ah	172.1Ah	179.3Ah
Self Discharge	<3%Pm	<3%Pm	<3%Pm	<3%Pm	<3%Pm	<3%Pm
Operating Temperature Range						
Discharge	0~55^{0}C	0~55^{0}C	0~55^{0}C	0~55^{0}C	0~55^{0}C	0~55^{0}C
Charge	0~55^{0}C	0~55^{0}C	0~55^{0}C	0~55^{0}C	0~55^{0}C	0~55^{0}C
Storage	0~55^{0}C	0~55^{0}C	0~55^{0}C	0~55^{0}C	0~55^{0}C	0~55^{0}C
Max Discharge Current 77^{0}F(25^{0}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^{0}F(25^{0}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	503x190x408	503x190x408	503x190x408	503x190x408	503x190x408
Weight +-3% Kgs	52	58	66	68	70	73

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

Certification and compliance. *Design life is as per standard parameter of Temp., humidity and uses condition.

Discharge Constant Current (Amperes at 27°C)

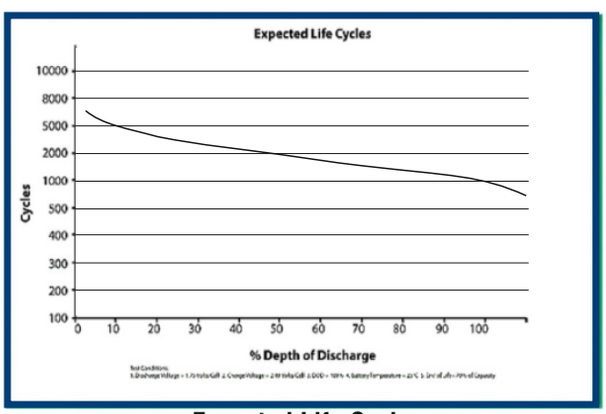
Technical Specifications (@C10)

100Ah			
Hours	3h	5h	10h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	71.7	83	100
150Ah			
Hours	3h	5h	10h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	107.55	124.5	150
200Ah			
Hours	3h	5h	10h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	143.4	166	200

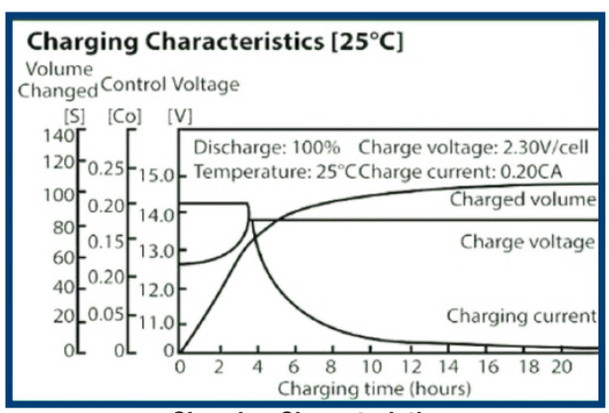
220Ah			
Hours	3h	5h	10h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	157.74	182.6	220
240Ah			
Hours	3h	5h	10h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	172.08	199.2	240
250Ah			
Hours	3h	5h	10h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	179.25	207.5	250

TUBULAR BATTERY PERFORMANCE DATA

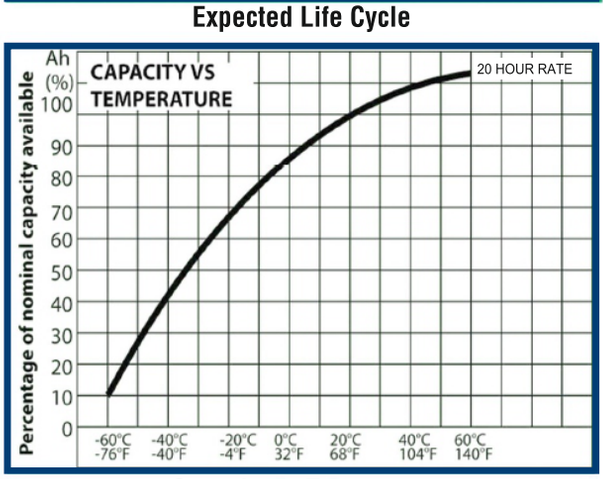
Electrical Performance



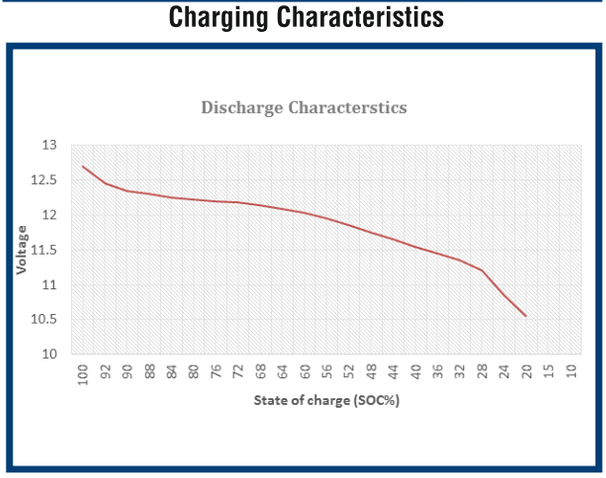
Expected Life Cycle



Charging Characteristics



Capacity vs Temperature



Discharging Characteristics

Features:

- Perfect for Solar Applications
- Long Cycles
- High Durability with Sealed Plastic Housing
- Factory Charged Ready to Use
- Easy Maintenance with Level Indicators

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Technical Specifications (@C20)

Model	**1000**	**1500**	**2000**	**2200**	**2400**	**2500**
Capacity	100Ah	150Ah	200Ah	220Ah	240Ah	250Ah
Container	PPCP	PPCP	PPCP	PPCP	PPCP	PPCP
Separator	PVC German	PVC German	PVC German	PVC German	PVC German	PVC German
Nominal Voltage	12V	12V	12V	12V	12V	12V
No. Of Cells	6	6	6	6	6	6
Design Life	8 Years	8 Years	8 Years	8 Years	8 Years	8 Years
Nominal Capacity(27^{0}C)						
20 Hr Rate (10A,10.5)	100Ah	150Ah	200Ah	220Ah	240Ah	250Ah
10hr Rate (16A.10.5v)	88Ah	132Ah	176.0Ah	193.6Ah	211.2Ah	220Ah
3hr Rate (38.24A, 10.8V)	64.5	96.8	129	141.9	154.8	161.25
Self Discharge	<3%Pm	<3%Pm	<3%Pm	<3%Pm	<3%Pm	<3%Pm
Operating Temperature Range						
Discharge	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C
Charge	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C
Storage	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C	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	503x190x408	503x190x408	503x190x408	503x190x408	503x190x408
Weight+-3% Kgs	52	56	64	66	68	71

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Discharge Constant Current (Amperes at 27°C)

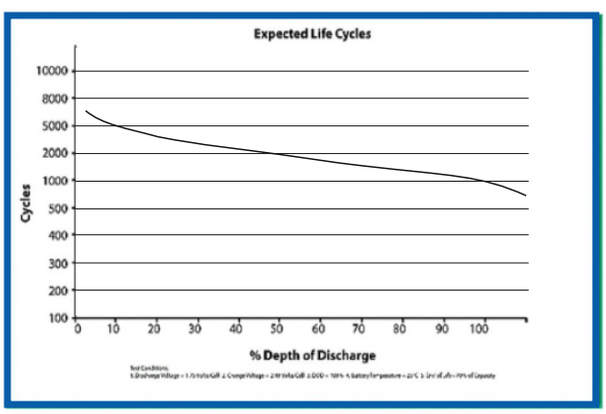
Technical Specifications (@C20)

100Ah			
Hours	3h	10 h	20 h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	64.5	88	100
150Ah			
Hours	3h	10 h	20 h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	96.8	132	150
200Ah			
Hours	3h	10 h	20 h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	129	176	200

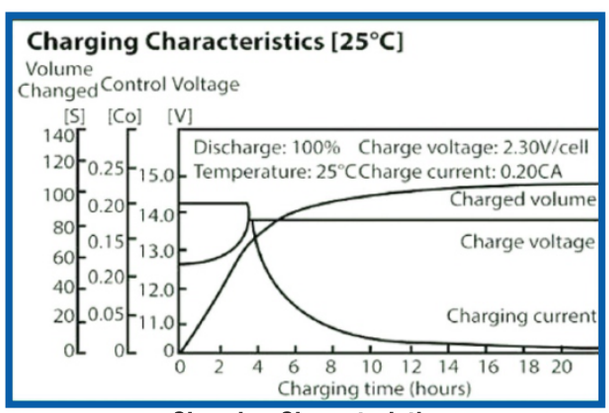
220Ah			
Hours	3h	10 h	20 h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	141.9	193.6	220
240Ah			
Hours	3h	10 h	20 h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	154.8	211.2	240
250Ah			
Hours	3h	10 h	20 h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	161.25	220	250

TUBULAR BATTERY PERFORMANCE DATA

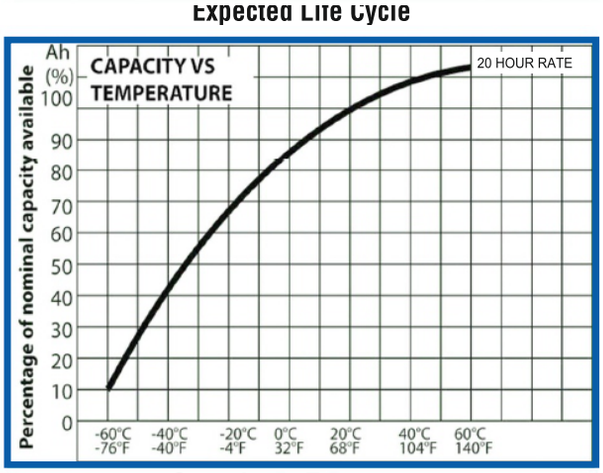
Electrical Performance



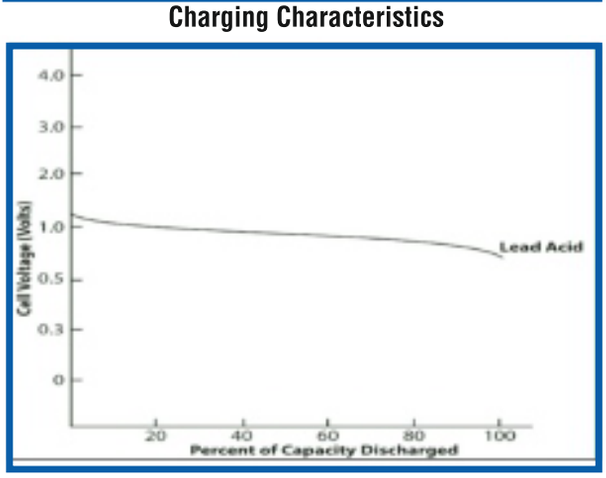
Expected Life Cycle



Charging Characteristics



Capacity vs Temperature



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Features:

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