



TANDHAN
POWER
LIVE LIFE NON-STOP

TANDHAN GROUP

Tandhan Group, with a legacy of more than 4 decades, has always taken on challenges, and being robust, courageous along with using deep customer insights has constantly developed innovative technology.

Our greatest strength has been our investment in people and channel partners, enabling us to learn while we worked, building on relationship and collaborations with channel partners based on trust and respect for each other.

- We at Tandhan take great pride in deliverables
- We at Tandhan constantly elevate the level aggressively with pioneering research and development programmes
- We at Tandhan assure highest quality products and services, catering to clients and patrons across the globe

Our Other Verticals

- Tandhan Polyplast Private Limited
- Tandhan Power
- Dhaka Power Traders (BANGLADESH)
- San Taing Kyaw Company Limited (MYANMAR)
- Global Power Traders (SUDAN)
- NX Hotels Private Limited
- Tandhan Impex Private Limited
- FMJ Sarees Private Limited
- Jalan Sarees Private Limited
- Tandhan Fashions Private Limited
- Tandhan Exim Private Limited
- Tandhan Cotton Mills Private Limited

Our Newest Venture

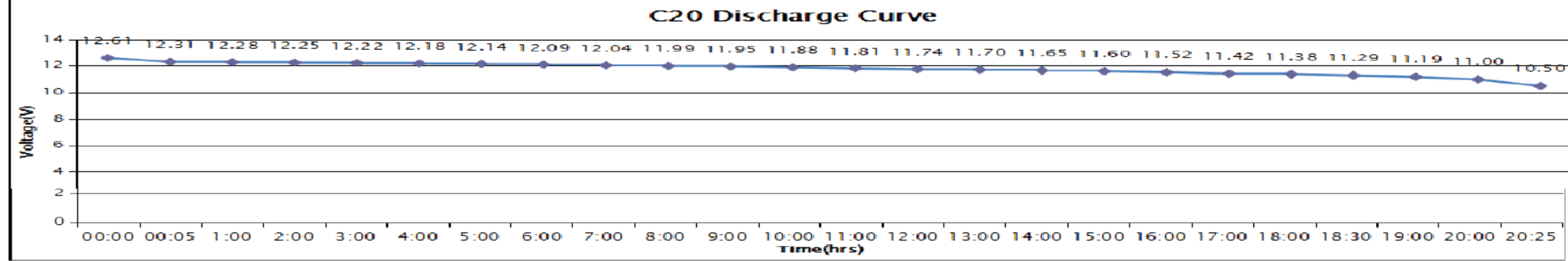
- Power Global General Trading LLC (DUBAI)

LIVE LIFE NON-STOP

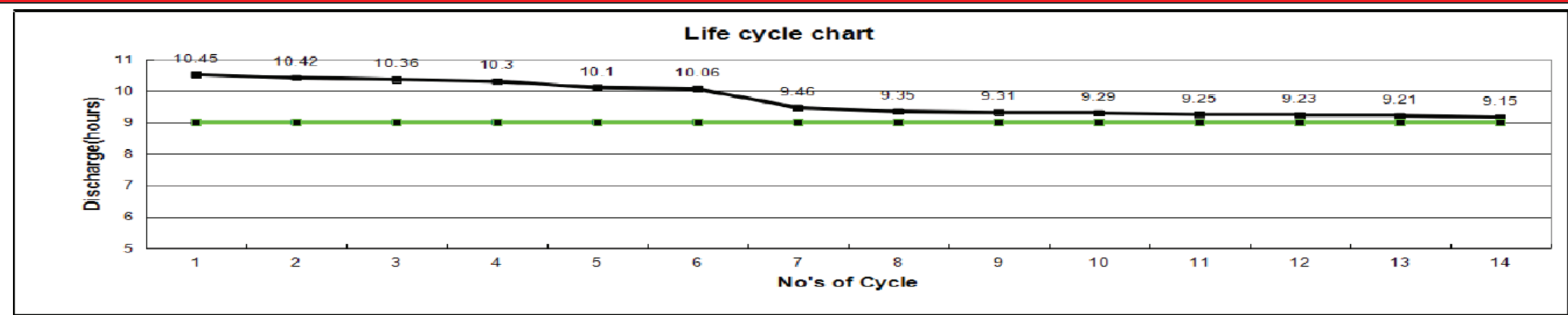
Technical Specification - Lead Acid Battery				
Specification		Model GENUS (12V 200AH@C20)		
Cells Per Unit	6			
Voltage Per Unit	12			
Capacity	200Ah@20hr-rate to 1.75V per cell @27°C	State of charge measurement of OCV @ 27°C		
Net Weight (+/-1.5%)kg	60.8	State of charge	Specific Gravity	Voltage (V)
Gross Weight (+/-1.5%)kg	63			
Operating Temperature Range	Discharge: 5°C ~ 50°C	100%	1.255	12.6
	Charge: 5°C ~ 50°C			
Normal Operating Temperature Range	Storage: 5°C ~ 50°C	75%	1.235	12.48
	27±2°C			
Float Charging Voltage	13.6 to 13.8 VDC/unit Average at 27°C	50%	1.220	12.39
Recommended Maximum Charging Current	10% of Battery Rated Capacity	25%	1.200	12.27
Equilization and Cycle Service	14.6 to 14.8 VDC/unit Average at 27°C	0%	1.175	12.12
Self Discharge	Genus Lead Storage batteries can be stored for 3 months at 27°C. Self-discharge ratio less than 1% per month at 27°C. Please charge batterie before using.	DOD Cycle: 100 % DOD: 600 Cycles 80% DOD: 1200 Cycles 50% DOD: 1500 Cycles 20% DOD: 2000 Cycles		
Terminal	Positive & Negative Terminal (Lead Alloy)			
Container Material	PPCP	Industrial Compliance		
Battery Testing Parameter				
Backup Time (On 400W with Inverter900VA)	200 minute @ 27°C to 10.50V	ISO 9001:2015		
Rated Capacity at 10A@C20	200Ah @ 27°C to 10.50V	ISO 14001:2015		
Rated Capacity at 17.6A@C10	178Ah @ 27°C to 10.50V	ISO 27001:2013		
Rated Capacity at 29.32A@C5	148Ah @ 27°C to 10.50V	ISO 45001:2018		
Rated Capacity at 42.06A@C3	128Ah @ 27°C to 10.50V	ISO 50001:2018		

Dimensions	
Unit:mm	Dimension: 503(L) x 185(W) x 408(H)

Constant Current C20-Discharge Characteristics:27°C



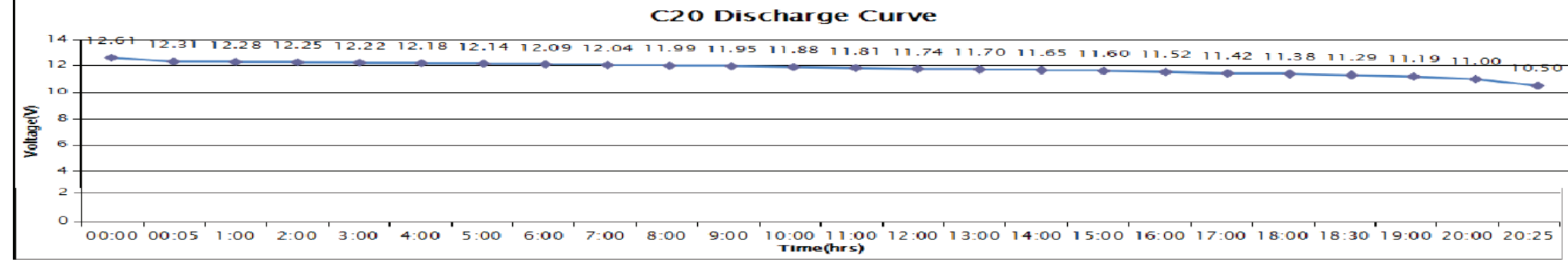
Life Cycle Test Characteristics: IS 13369



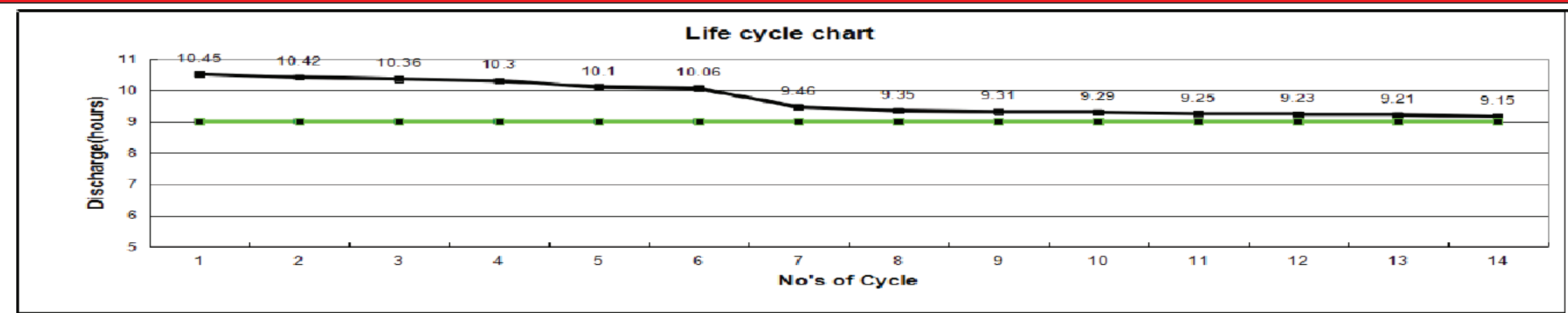
Technical Specification - Lead Acid Battery				
Specification		Model GENUS (12V 200AH@C20)		
Cells Per Unit	6			
Voltage Per Unit	12			
Capacity	200Ah@20hr-rate to 1.75V per cell @27°C	State of charge measurement of OCV @ 27°C		
Net Weight (+/-1.5%)kg	60.8	State of charge	Specific Gravity	Voltage (V)
Gross Weight (+/-1.5%)kg	63			
Operating Temperature Range	Discharge: 5°C ~ 50°C	100%	1.255	12.6
	Charge: 5°C ~ 50°C			
Normal Operating Temperature Range	Storage: 5°C ~ 50°C	75%	1.235	12.48
	27±2°C			
Float Charging Voltage	13.6 to 13.8 VDC/unit Average at 27°C	50%	1.220	12.39
Recommended Maximum Charging Current	10% of Battery Rated Capacity	25%	1.200	12.27
Equilization and Cycle Service	14.6 to 14.8 VDC/unit Average at 27°C	0%	1.175	12.12
Self Discharge	Genus Lead Storage batteries can be stored for 3 months at 27°C. Self-discharge ratio less than 1% per month at 27°C. Please charge batterie before using.	DOD Cycle: 100 % DOD: 600 Cycles 80% DOD: 1200 Cycles 50% DOD: 1500 Cycles 20% DOD: 2000 Cycles		
Terminal	Positive & Negative Terminal (Lead Alloy)			
Container Material	PPCP	Industrial Compliance		
Battery Testing Parameter				
Backup Time (On 400W with Inverter900VA)	200 minute @ 27°C to 10.50V	ISO 9001:2015		
Rated Capacity at 10A@C20	200Ah @ 27°C to 10.50V	ISO 14001:2015		
Rated Capacity at 17.6A@C10	178Ah @ 27°C to 10.50V	ISO 27001:2013		
Rated Capacity at 29.32A@C5	148Ah @ 27°C to 10.50V	ISO 45001:2018		
Rated Capacity at 42.06A@C3	128Ah @ 27°C to 10.50V	ISO 50001:2018		

Dimensions	
Unit:mm	Dimension: 503(L) x 185(W) x 408(H)

Constant Current C20-Discharge Characteristics:27°C



Life Cycle Test Characteristics: IS 13369



Technical Specification - Lead Acid Battery				
Specification		Model : GENUS (12V 230AH@C20)		
Cells Per Unit	6			
Voltage Per Unit	12			
Capacity	230Ah@20hr-rate to 1.75V per cell @27°C	State of charge measurement of OCV @ 27°C		
Net Weight	64.8(+/-1)kg	State of charge	Specific Gravity	Voltage (V)
Gross Weight	67 (+/-1.5)kg			
Operating Temperature Range	Discharge: 5°C ~ 50°C	100%	1.255	12.6
	Charge: 5°C ~ 50°C	75%	1.235	12.48
	Storage: 5°C ~ 50°C			
Normal Operating Temperature Range	27±2°C	50%	1.220	12.39
Float Charging Voltage	13.6 to 13.8 VDC/unit Average at 27°C	25%	1.200	12.27
Recommended Maximum Charging Current	10% of Battery Rated Capacity	0%	1.175	12.12
Equilization and Cycle Service	14.6 to 14.8 VDC/unit Average at 27°C	DOD Cycle: 100 % DOD: 800 Cycles 80% DOD: 1500 Cycles 50% DOD: 1800 Cycles 20% DOD: 2500 Cycles		
Self Discharge	Genus Lead Storage batteries can be stored for 3 months at 27°C. Self-discharge ratio	Industrial Compliance		
Terminal	Positive & Negative Terminal (Lead Alloy)	ISO 9001:2015		
Container Material	PPCP	ISO 14001:2015		
Battery Testing Parameter		ISO 27001:2013		
Backup Time (On 400W with Inverter 900VA)	255 minute @ 27°C to 10.50V	ISO 45001:2018		
Rated Capacity at 12A@C20	230Ah @ 27°C to 10.50V	ISO 50001:2018		
Rated Capacity at 21.12A@C10	213Ah @ 27°C to 10.50V			
Rated Capacity at 35.18 A @C5	177Ah @ 27°C to 10.50V			
Dimensions				
Unit:mm	Dimension: 502(L) x 188(W) x 402(H)			
Constant Current C20-Discharge Characteristics:27°C				
Life Cycle Test Characteristics: IS 13369				

BATTERIES

TUBULAR BATTERY INTERNAL CLASSIFICATION

Top Ventilation for Safe Charging

- Easy gas release during charging
- Reduce gas acculturation
- Greater product safety

Modern Terminal Design

- Prevents from external short circuit
- Terminal orientation Changes
- New robust design first time in the industry

Robust Grid Design

- With special additives

PV Envelop Separator

- A Perfect separation medium
- Enhances Decimation Resistance
- Increase product life

Thicker Plate

- For Extra Life

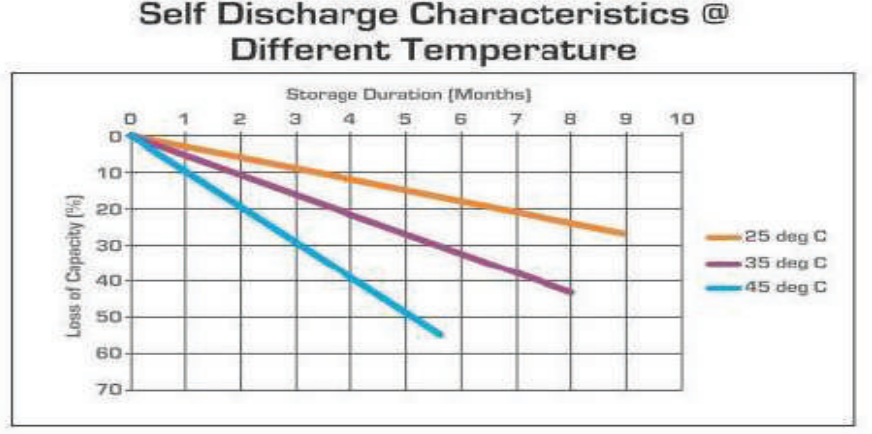
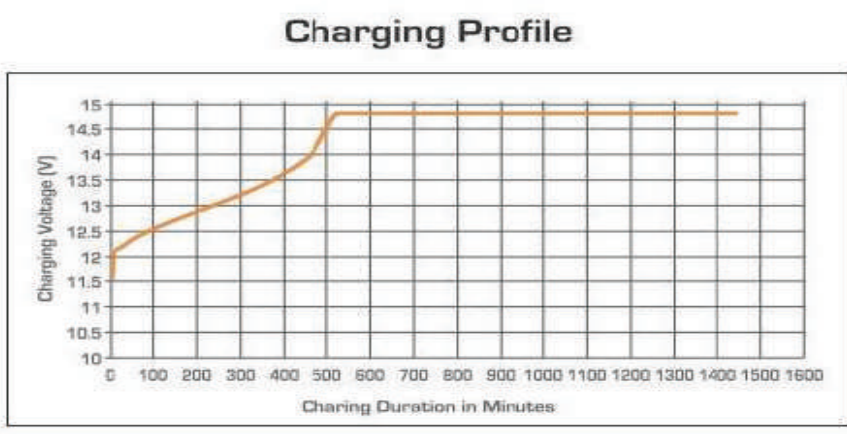
Deep Cycle

- Flat negative plate with special additives
- Expanders for better charge
- Deeper discharge cycle

High Purity Lead

- Higher cycle time
- Low self discharging rate
- Low topping up

Terminal Configuration :-
Terminal Type :- L
Terminal Height :- 31 mm
Torque Value :- 8-10 N.m
Bolt Type :- M8

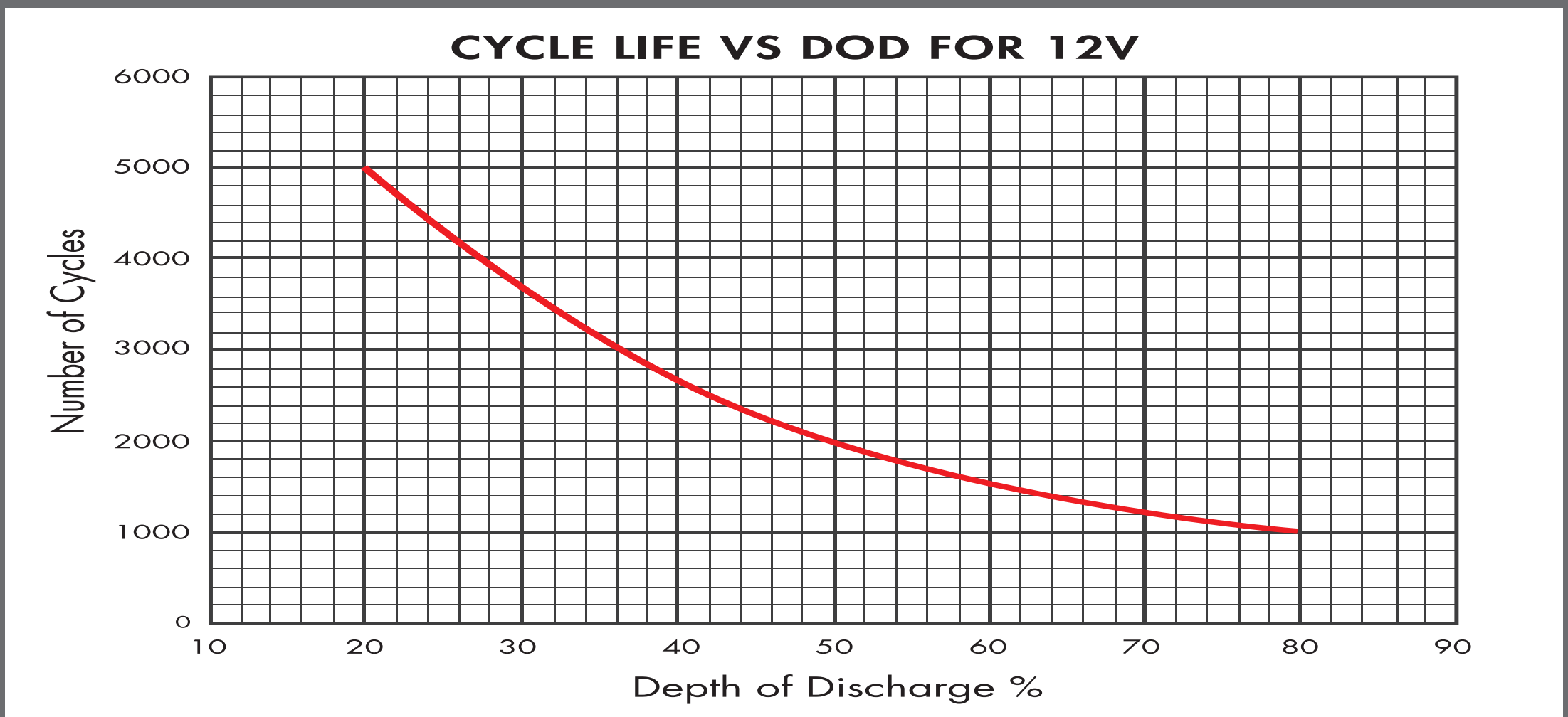
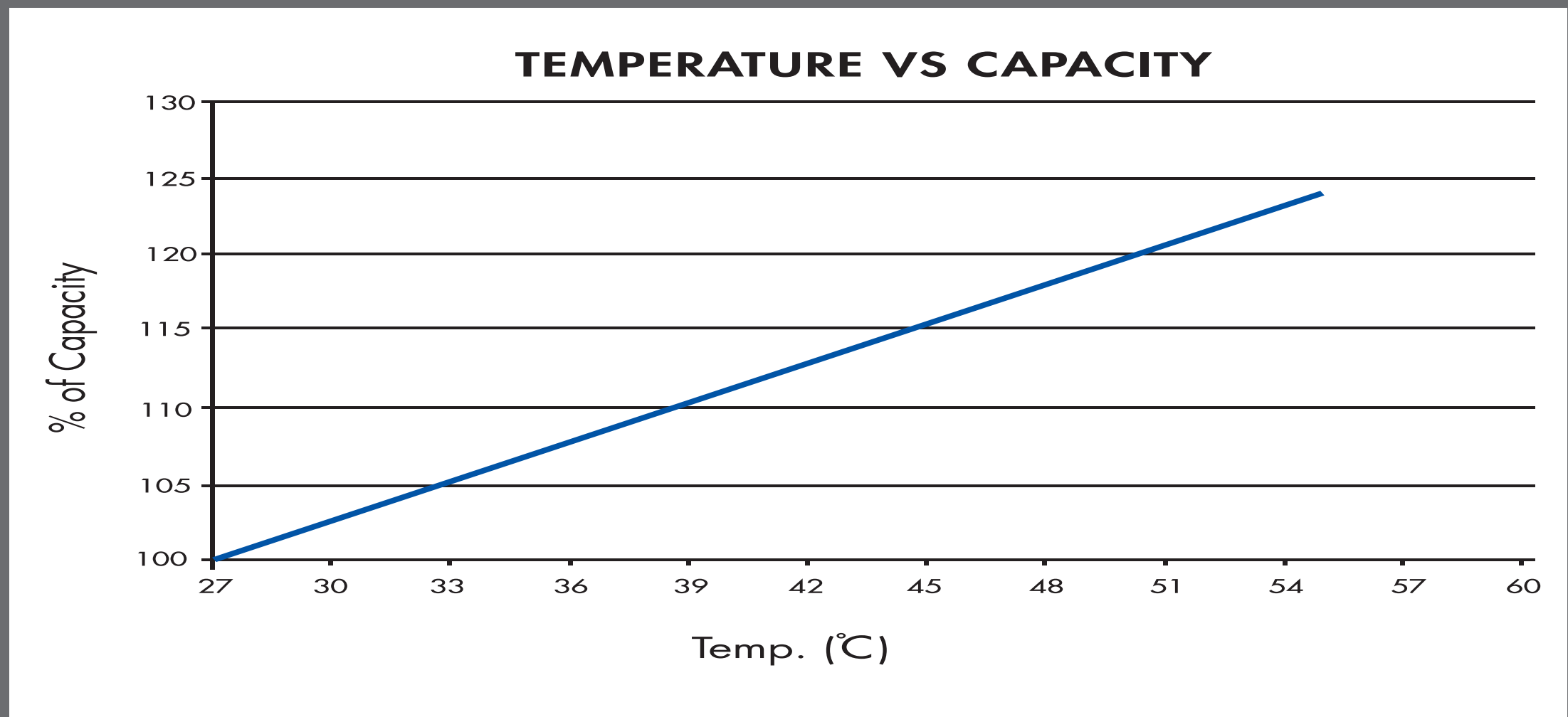


State of Charge Measure of Open-circuit Voltage @ 27°C

State of Charge	Specific Gravity	Voltage
100%	1.255	12.6
75%	1.24	12.51
50%	1.235	12.48
25%	1.225	12.42
0%	1.215	12.36

*STC (Standard Testing Condition)

CHARACTERISTIC CURVES



Battery image shown is indicative and may vary from the actual



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