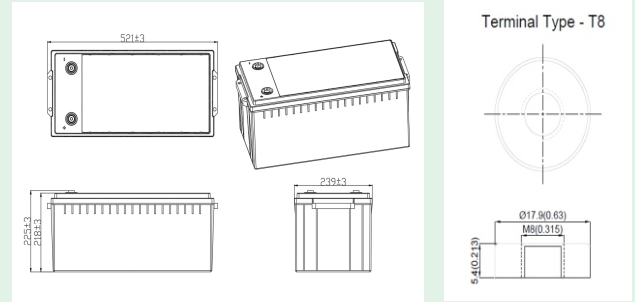




BATTERY DIMENSIONS



SPECIFICATION

Nominal Voltage	12 V	
Capacity (20HRS, 27°C)	200 AH	
Dimension	Length	521 mm (20.51 inch)
	Width	239 mm (9.40 inch)
	Total Height	225 mm (8.85 inch)
Approx Weight	60.2 Kg (132.71 lbs)	
Container Material	ABS (UL94-V0 Optional)	
Design Life	15 Years	









CHARACTERISTICS

Capacity (@27°C)	20 HRS Rate	200AH
	10 HRS Rate	175AH
Internal Resistance (Fully Charged @ 27°C)		< 5 mΩ
Self Discharge (27°C)	3 Month	Remaining Capacity: 85%
Operating Temperature Range	Discharge	-20°C ~ 60°C
	Charge	0°C ~ 50°C
	Storage	-20°C ~ 50°C
Specific Energy (Wh/kg) Charged Condition		39.8
Max. Discharge Current @ 27°C		2000A (5 Sec.)
Charge Methods (CV Charge - 27°C) Cyclic Use		Cycle Use 14.2 to 14.4 volt
		Max. Current 40A
		Temp Compensation 25mV/°C
Charge Methods (CV Charge - 27°C) Float Use		Standby Use 13.5 to 13.8 volt
		Max. Current 20A
		Temp Compensation 20m V/°C

TECHNICAL FEATURES

- 1) ABS (Acrylonitrile Butadiene Styrene) Container & Cover
- 2) No stratification due to GEL Technology
- 3) Maintenance Free Operation (No water top up during service life)
- 4) Low Pressure Venting System
- 5) Heavy - Duty Grids
- 6) Low Self Discharge
- 7) Gas Recombination System
- 8) Wide Operating Temperature Range
- 9) Sealed Construction (Spill Free)

APPLICATIONS

-  UPS
-  Telecom Communication Equipments
-  Fire Alarm & Security Systems
-  Medical Instruments
-  Computer Backup
-  Wind Turbines (Pitch System)
-  Hybrid Power System
-  Navigational Aids

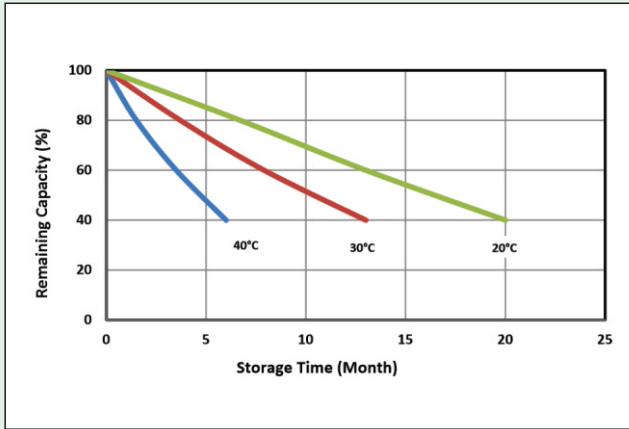
CONSTANT CURRENT DISCHARGE RATINGS-AMPS PER CELL AT 27°C

Duration	1 hrs	3 hrs	5 hrs	10 hrs	20 hrs	72 hrs	120 hrs	240 hrs
ECV								
9.60	98.3	43.5	29.5	17.9	9.9	2.85	1.79	0.94
10.20	98.2	43.0	29.3	17.8	9.8	2.84	1.78	0.93
10.50	98.1	42.0	29.2	17.7	9.8	2.82	1.77	0.92
10.80	98.0	41.0	29.1	17.5	9.6	2.79	1.75	0.91

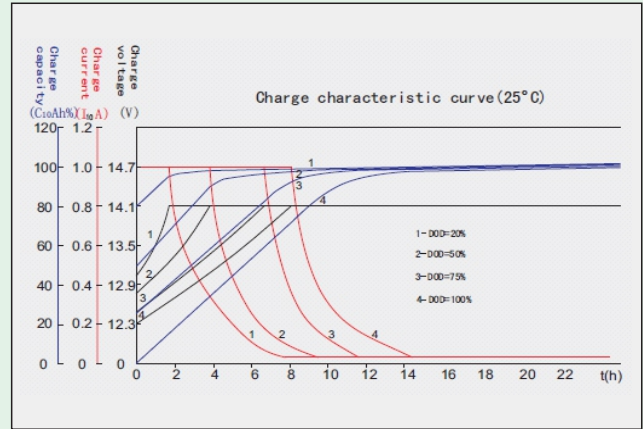
CONSTANT POWER DISCHARGE RATINGS-WATTS PER CELL AT 27°C

Duration	1 hrs	3 hrs	5 hrs	10 hrs	20 hrs	72 hrs	120 hrs	240 hrs
ECV								
9.60	1200	483	352.2	214.2	118.2	34.20	21.48	11.28
10.20	1194	482	349.8	212.4	117.6	34.08	21.36	11.16
10.50	1182	481	348.0	210.0	117.6	33.84	21.24	11.04
10.80	1158	480	345.6	207.0	116.4	33.48	21.00	10.92

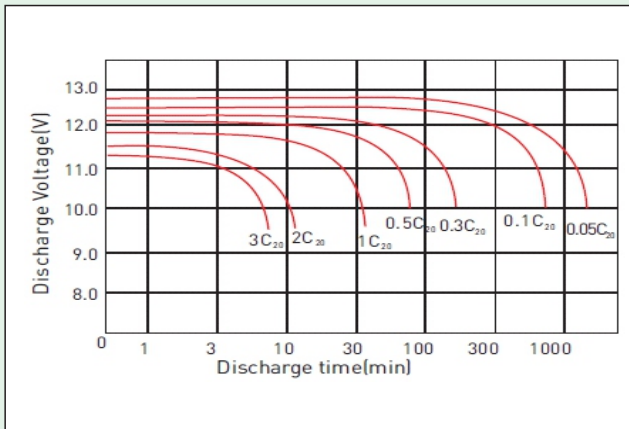
SELF DISCHARGE CHARACTERISTICS



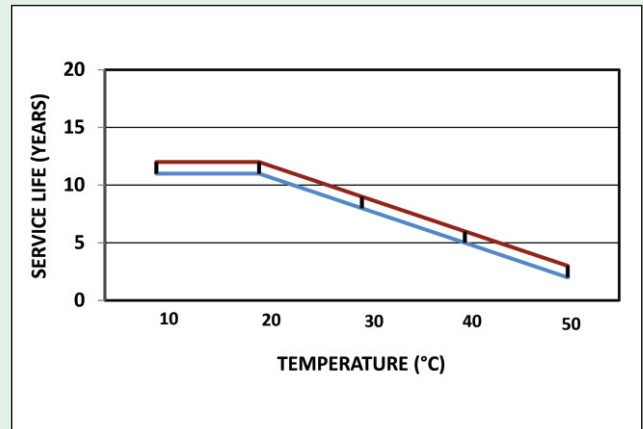
CYCLIC CHARGING CHARACTERISTICS



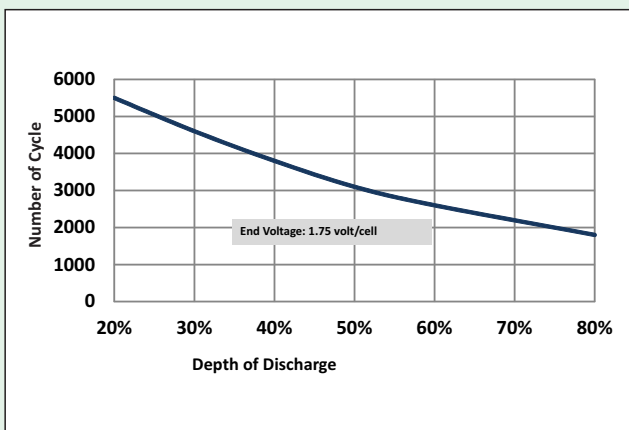
DISCHARGE CHARACTERISTICS at Various Rates @ 27°C



EFFECT OF TEMPERATURE ON SERVICE LIFE



DEPTH OF DISCHARGE VS CYCLE LIFE



CAUTION: Avoid short circuit
Don't charge in sealed container

OKAYA POWER PVT.LTD.

D-8, Udyog Nagar, Rohtak Road, New Delhi-41, India.
Tel.: 011-45112300, 011-47451500 | Helpline.: 9818909090
E-mail: myemail@okayapowerltd.com

