

VOLTAIC™



SOLAR
BATTERY

Save the Environment
Turn to Solar Power

Model	VT-10000	VT-15000	VT-20000	VT-22000	VT-24000	VT-27000	VT-30000
Parameters	100Ah	150Ah	200Ah	220Ah	240Ah	270Ah	300Ah
Container	PPCP	PPCP	PPCP	PPCP	PPCP	PPCP	PPCP
Separator	PE Daramic	PE Daramic	PE Daramic	PE Daramic	PE Daramic	PE Daramic	PE Daramic
Nominal Voltage	12V	12V	12V	12V	12V	12V	12V
No. Of Cells	6	6	6	6	6	6	6
Design Life	6 Years	6 Years	6 Years	6 Years	6 Years	6 Years	6 Years
Nominal Capacity(20°C)							
20 Hr Rate (10.5)	100Ah	150Ah	200Ah	220Ah	240Ah	270Ah	300Ah
10 Hr Rate (10.5V)	88Ah	132Ah	176Ah	193.6Ah	211.2Ah	237.6Ah	264Ah
Self Discharge	<3%Pm	<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	0~55°C
Charge	0~55°C	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	0~55°C
Max. Discharge Current 77°F(25°C)	600A(3s)	600A(3s)	600A(3s)	600A(3s)	600A(3s)	600A(3s)	600A(3s)
Short Circuit Current	100A	150A	200A	220A	240A	270A	300A
Charge Methods:	CCCV 77°F(25°C)						
Cycle Use	14.4-14.7V						
Maximum Charging Current	10A	15A	20A	22A	24A	27A	30A
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	13.8-14.2V
Dimension	495x190x430	495x190x430	495x190x430	495x190x430	495x190x430	495x190x430	495x190x430
Weight+-3% Kgs	53	58	64	66	69	72	78

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

PRODUCT FEATURES :-

Capacity Rating C20 :- Specified in Indian standard IS 13369-1992 for UPS and Inverter battery.

Thick Spine Tubular Grids :- To cater deep discharge in long and frequent power cut.

Low Resistance PE Separators :- Avoids cell short circuit & low water loss features.

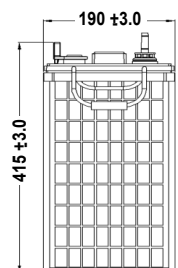
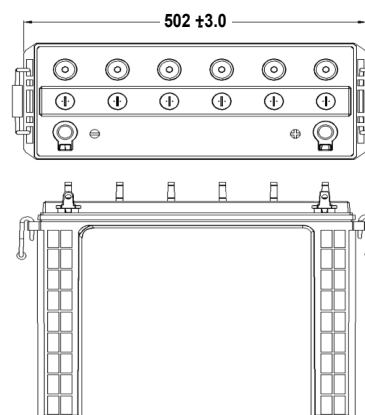
Tubular Gauntlets :- Tubular positive plates consisting of selenium alloy grids and properly balanced Active materials enclosed in chlorine free polyester gauntlets of high bursting Strength with high performance (HP)

High Charge Acceptance :- Suitable in areas of Frequent power cuts & Quick Charge Acceptance.

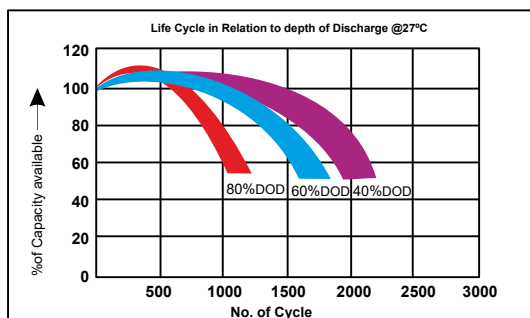
Well Designed :- Negative Plates over designed with special additives for long life.

Double nylon Rope Handle :- Safety and ease in handling.

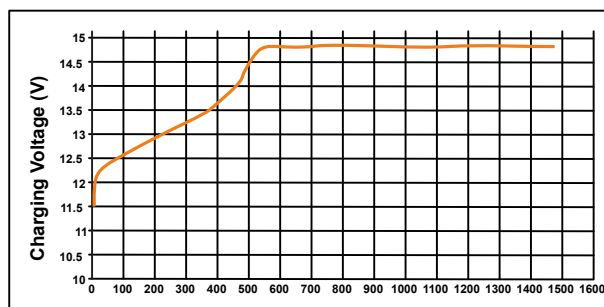
SS Fastener :- Goodbye to sulphation/corrosion on terminals and on its joints.



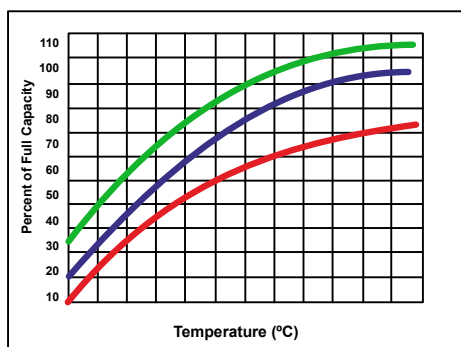
Expected Life



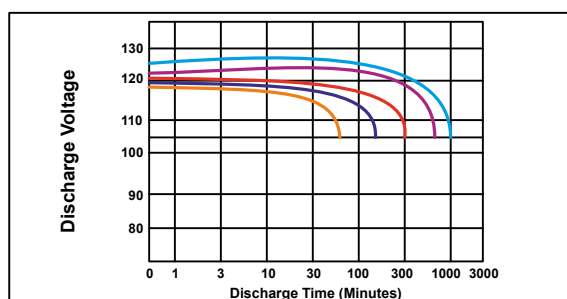
Charging Profile



Expected Capacity vs Temperature



Discharging Characteristics at various rates @27°C



Technical Specifications of Model VT-20000

Model	VT-20000
Specification	IS :13369:1992
Dimension	L X W X H in mm
	495x190x430 in mm
Layout	L-Type
Container	IT-500
Plate Type	Tubular (+VE)
	Flat (-VE)
Back Up @400 Watt	4:15 Hours (+/-) 10 Min.
Performance guarantee in cycles @27 °C at C20 Rating	80% depth of discharge : 1100 cycles (min)
Nominal Energy (Single Battery)	2400 Watt
AH Efficiency	In excess 90%
WH Efficiency	In excess 80%
Packed Weight	64.000 Kg (+/-) 0.5 Kg
Sulphuric Acid (Battery Grade)	IS:266:1993
D M Water as per	IS:1069:1993



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