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ASPIRO

CONVEY THE SUN POWER



SOLAR TUBULAR & SMF VRLA BATTERIES

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SMF VRLA BATTERIES

HIGH SPECIFIC ENERGY

DESIGNING LIFE : 10 YEARS @25OC

EXCELLENT CYCLIC PERFORMANCE

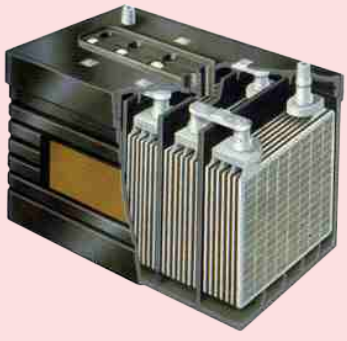
RECOVERY PERFORMANCE

HIGH PURITY MATERIAL

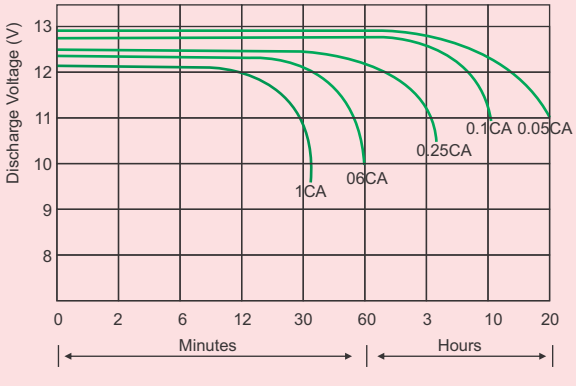


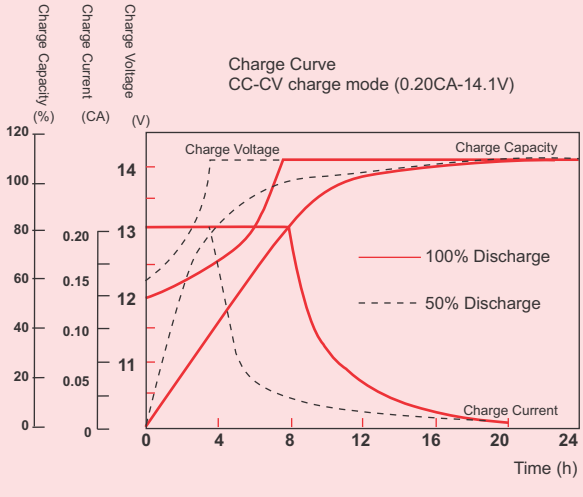
DESIGN AND CONSTRUCTION FEATURES

- Proprietary Positive Grid Alloy
- Proprietary positive Paste Composition
- Long Shelf Life above 6 Months
- Deep Discharge Recovery Even after 7 days
- Fast Charging Capability Within 6-8 hours
- Superior High rate Performance at 5 to 60 Minute rate of Discharge



DISCHARGE & CHARGING CHARACTERISTICS





SMF VRLA BATTERIES

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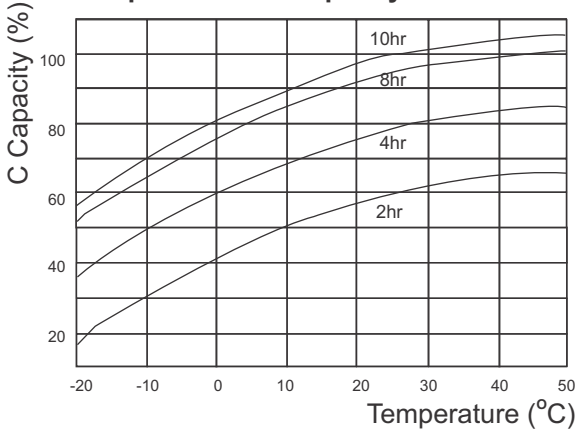


APPLICATION

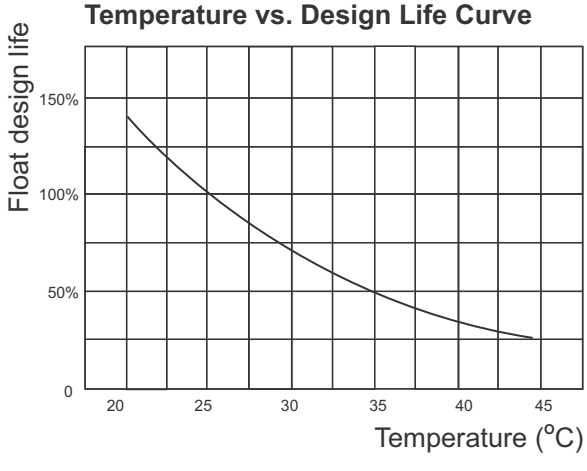
UPS System, Telecommunication Equipment, Fire Alarm & Security System, Office Automation, EP ABX, Banking & Financial Market, Data Center, Street Light, Electronic Weighing Scale and in many other applications.

PERFORMANCE CHARACTERISTICS

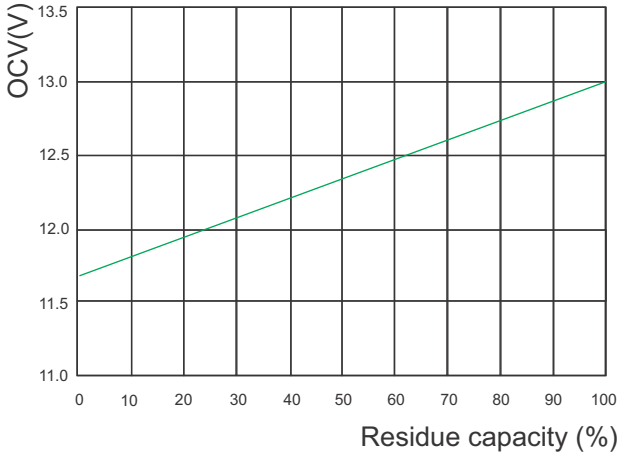
Temperature vs. Capacity Curve



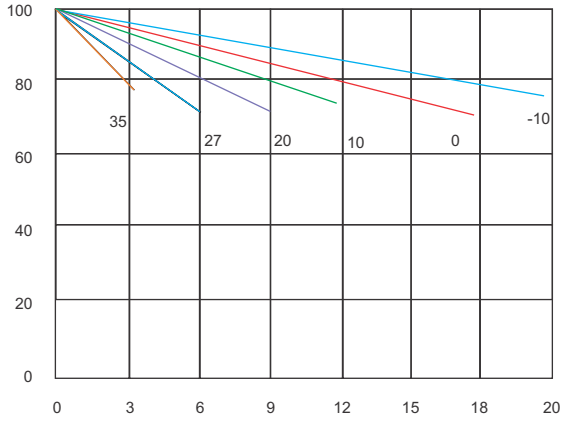
Temperature vs. Design Life Curve



OCV va state of charge



Residual Capacity VS. Storage time



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PRODUCT SPECIFICATIONS

Model	Nominal Voltage	Rated Capacity @ C20 at 27OC (10.50 EBV)	imen (mm)			Weight (Kgs ± 5%)
			Length (± 5mm)	Width (± 5mm)	Height (± 5mm)	
LSB 42-12	12	42	198	167	175	13.5
LSB 65-12	12	65	350	167	190	22
LSB 80-12	12	80	307	169	240	23
LSB 100-12	12	100	330	173	222	29
LSB 120-12	12	120	406	171	240	35
LSB 150-12	12	150	485	170	240	44
MAXPRO20012	12	200	522	240	220	60

*** Also Available in 75Ah & 90Ah**

Electrolyte	Immobilized H_2 So_4
Positive Plate Alloy	“Arsenic and Cadmium Free Pb-Ca-Sn Alloy
Positive Plate Type	Flat Pasted
Type of Connection	Bolted
Type of Separator Material	Absorptive Glass Mat
Container Material	“ABS”
Recommended Charging Method	Constant Potential
Shelf life at 27°C	6 Months
Self Discharge	<1% per week
Float Charge Voltage	13.5V - 13.62V
Boost Charge Voltage	13.8V - 14.1V
Charging Time from 20% SOC TO 90% SOC	6-8 Hrs
Operating Temperature Range	“0°C to 50°C”
Design Life at 27°C	10 Years
Cyclic Service Life (@27°C)	
At 20% D.O.D	1400 Cycles
At 50% D.O.D	650 Cycles
At 80% D.O.D	300 Cycles
Product Performance Conforms to	JIS C 8702

* Technical Parameters are Subject to Change due to Continuous improvements and R&D

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