

AMERICAN
TECHNOLOGY



TESLA POWER™

MORE POWER TO YOU



SMF VRLA BATTERY



QUICK
RECHARGE



HIGH-END
APPLICATION



Eco-Friendly

Self Discharge-
Less than 1% per Week

Positive Plate Alloy- Lead Calcium
Alloy with Maintenance Free Characteristics



Recyclable
(Return used
Batteries)

Shelf life @27°C- Without
recharge upto 06 Months

Negative Plate Alloy- Lead Calcium
Alloy with Maintenance Free Characteristics

*Conditions Apply

UPS VRLA BATTERIES

Sealed Maintenance Free VRLA Batteries with designed features which give a higher performance and reliability, better Middle East & Tropical Conditions.

FEATURES

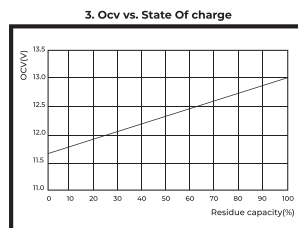
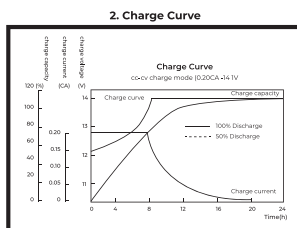
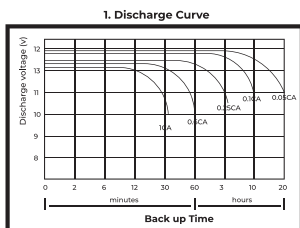
- Thin plate pure lead (TPPL) provides a large reactive surface area and low internal resistance.
- High energy density and cycling capability.
- An exceptional deep discharge recovery performance.
- Extra durability and deep cycle ability for heavy demand applications.
- Low self-discharge characteristics.
- Thin plate pure lead (TPPL) batteries can be recharged within a short period of time.
- Gas Emission is extremely low.
- "ABS" Container Material.
- Separator: AGM (Absorbive Glass Mat)

APPLICATION: UPS System, Telecommunication Equipment, Fire Alarm & Security Systems, Office Automation Equipment, Data Centre, Power Plant, Railways & various other applications

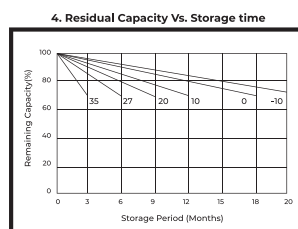
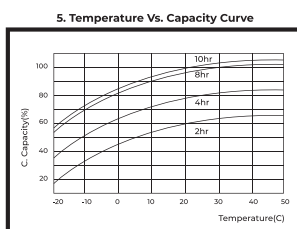
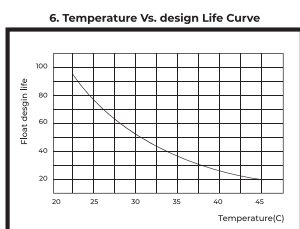
GENERAL SPECIFICATIONS

Battery Type	Capacity (Ah)	No. of Cells	Nominal Voltage (V)	Length (mm)	Width (mm)	Height (mm)
TPSMF-42	42	6	12	198	166	170
TPSMF-65	65	6	12	350	169	174
TPSMF-80	80	6	12	330	172	223
TPSMF-100	100	6	12	330	172	223
TPSMF-120	120	6	12	407	173	240
TPSMF-150	150	6	12	520	240	222
TPSMF-200	200	6	12	522	239	223

PERFORMANCE CHARACTERISTICS



Cyclic Life @27°C
 at 20% DOD: 1200 cycles
 at 50% DOD: 650 cycles
 at 80% DOD: 350 cycles



Self Discharge Batteries can be stored for more than 6 months at 27°C Please charge batteries before using. For higher temperatures the interval will be shorter

Construction Plate Type: Flat Pasted (Positive & Negative)
 Separator: AGM (Absorbive Glas Mat)

Discharge Current I (A)	$I \leq 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$I \geq 1.0C$
Final of Voltage	$\geq 1.85V_{pc}$	$\geq 1.80V_{pc}$	$\geq 1.75V_{pc}$	$\geq 1.70V_{pc}$	$\geq 1.60V_{pc}$



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