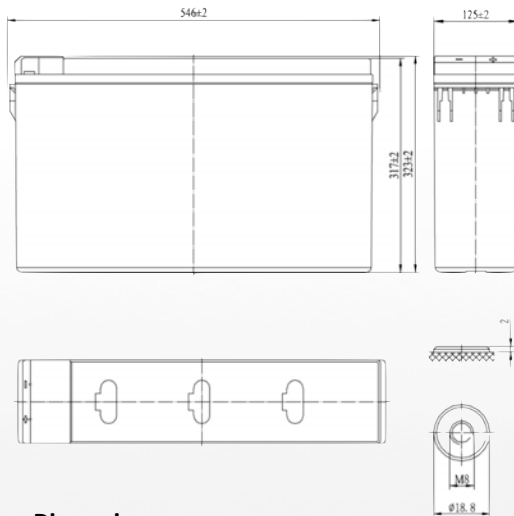


Maintenance free sealed lead acid batteries *APS Front Terminal (F) Series*

APS12-180F (12V 180Ah)



Dimensions

Length: 546 mm
Width: 125 mm
Height: 317 mm
Total Height: 323 mm
Approx. Weight: 58.5 Kg

APPLICABLE STANDARDS

- IEC60896-2, BS 6290-4, DOT 167, UL, CE

APPLICATIONS

- Telecommunications
- Uninterruptible Power Systems
- Communication system
- Microprocessor based office machines
- Other standby power supplies



APS Front Terminal Series batteries are designed for applications such as telecoms and other communications system. With 10 years design life, the batteries comply with the most popular international standards such as IEC896-21/22, BS6290-4 and Eurobat High Performance. The battery containers and covers are UL94-V0 flame retardant ABS plastic. With more than 15 years of production experience the **APS Front Terminal Series** of VRLA batteries are recognized as one of the most reliable and high quality battery system in the telecommunications industry.

INNOVATIVE FEATURES

- Heavy duty Pos. & Neg. plates
- Corrosion resistant, long life
- Absorbent Glass Matt (AGM)
- Copper threaded inserted terminals
- front access terminal for ease of installation
- High reliability terminal seal
- Suitable for 19" 23" & ETSI racking

TECHNICAL SPECIFICATIONS

Voltage 12 volt nominal
Plate alloy Lead Calcium Tin
Container/Case ... ABS, UL94-V0 flame retardant
Charge voltage Float: 13.6 to 13.8 V @ 25 deg C
Max. Charge 0.3 C10 (Amperes)
Shelf life 6 months @ 25 deg C
Design life 10 years

APS12-180F Technical Specifications

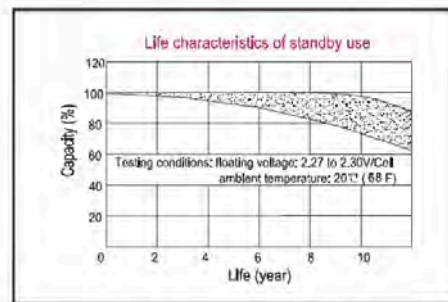
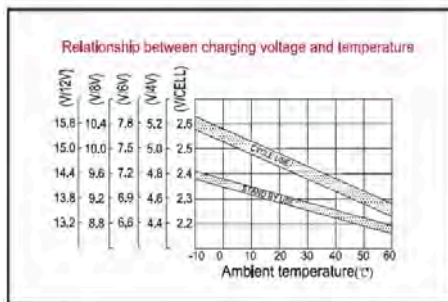
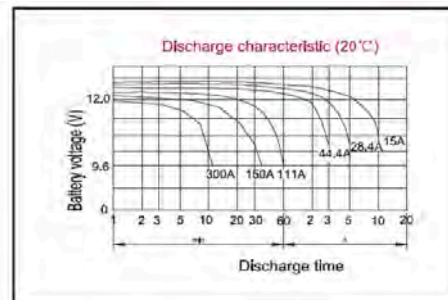
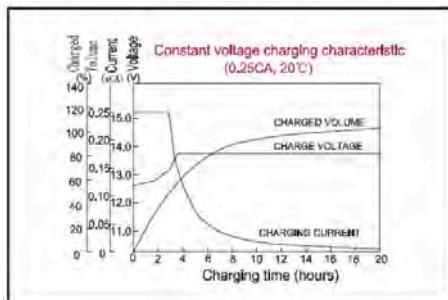
Constant Current Discharge Data (Amperes @ 20°C)

End Voltage Per cell/V	15min	30min	45min	1hr	3hr	5hr	10hr
1.60	300	197	145	118	51.0	33.0	18.4
1.65	285	192	143	116	50.3	32.8	18.3
1.70	269	187	140	114	49.5	32.6	18.2
1.75	254	181	138	111	48.8	32.3	18.1
1.80	238	176	135	109	48.0	32.1	18.0

Constant Power Discharge Data (Watt per cell @ 20°C)

End Voltage Per cell/V	15min	30min	45min	1hr	3hr	5hr	10hr
1.60	525	360	274	225	98.0	64.1	35.7
1.65	503	349	268	221	97.0	63.6	35.5
1.70	480	339	262	217	96.0	63.1	35.3
1.75	458	328	257	212	95.0	62.5	35.1
1.80	435	318	251	208	94.0	62.0	34.9

*All data is within standard production tolerances, electrical values are approximate and APS reserves the right to modify data without prior notice. NB. The above characteristics data are average values obtained within three charge/discharge cycles not minimum values.



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