



Battery Comparison



XSPS925
12V AGM
 Max Amp: 2000
 CA: 550A
 RC: 55 Min.
 6.5" L x 4.92" H x 6.93"W
 Weight: 23.54 lbs.



TPBTP1200
12V AGM
 Max Amp: 1200
 CAA: 700
 AH: 36
 7.75" L x 6.88" H x 5.25"W
 Weight: 23.15 lbs.



XSPS975
12V AGM
 Max Amp: 2100
 CA: 525A
 RC: 50 Min.
 7.83" L x 6.67" H x 5.3"W
 Weight: 26.43 lbs.



TPBTP1500
12V AGM
 Max Amp: 1500
 CAA: 800
 AH: 57
 9.88" L x 6.88" H x 5.25"W
 Weight: 30.20 lbs.



XSPS1200
12V AGM
 Max Amp: 2600
 CA: 725A
 RC: 80 Min.
 7.97" L x 6.75" H x 6.69"W
 Weight: 33.26 lbs.



Battery Chargers



XSPHF1215
12V Battery
IntelliCharger
15A



XSP1005
12/14/16V
Battery
IntelliCharger
5A, 15A, 25A

Terminology

AGM Construction (Absorbed Glass Mat Battery):

- No liquid acid in the battery.
- Acid is absorbed into the compressed glass matting in the cells.
- Completely non-spillable.
- Any AGM battery should be charged with an AGM compatible charger. (XSP1005, XSPHF1215, XSPHF1615, XSP1004)

Max Amps

- Immediate burst output, delivering much more power, more quickly, creating the instant burst of energy "Max Amps".

CA (Cranking Amps)

- Number of amps a 12V battery can deliver for 30 seconds at 32°F and not drop below 7.2V.

CCA (Cold Cranking Amps)

- Same as CA, measured at 0°F, will be about 10% less than the CA.

AH Rating

- Measured in hours.
- Tested in a 20 hour cycle. (Can be tested for 10 hour cycle at a higher amp load, but results are not as useful for determining long term capacity)
- Conduct your own AH test - Calculate 5% of the AH capacity and use that number as the amp load. Make sure the battery maintains the standardized 25°C temperature during the test. The battery should maintain that amp load for 20 hours without falling below 10.5V.

Example:

TP1500 - 57 AH, 12V Battery

5% of 57 (Amp Hours) = 2.85 amps

- A 57 amp battery should be able to maintain 2.85 amp draw for 20 hours at 25°C without falling below 10.5V

- When manufacturers initially determine AH, the calculation is reversed. The amp draw is multiplied by the test cycle length in hours. (20 amps X 20 hour test = 57 AH)
- The AH rating is most useful for determining how well a deep cycle battery can maintain a relatively low amp load across an extended period of several hours

RC Rating

- Measure in minutes.
- The number of minutes a new, fully-charged battery at 80°F (27°C) can be discharged at 25 amps and maintain a voltage equal to or higher than 1.75V per cell. (This works out to 10.5V for a 12V battery)

Example:

S925 has an RC rating of 55 min.

- This means at a full charge at 27°C, it can maintain a 25 amp load (similar to a large cooling fan) for 55 minutes before battery voltage drops below 10.5V.



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