

# NOW MAKE YOUR HOUSE A POWER HOUSE!

**SMF BATTERY**

SMARTEN SP  
SP12V  
7.2 Ah-200Ah



High purity material  
ensuring low  
self-discharge



Solar application  
compatible.



Completely leak-proof &  
Maintenance-free



High impact  
ABS casing



SMF Battery With  
Deep Discharge  
Features

IS 16242  
(Part 1): 2014



R-95000477



### General Technical Particulars of SSP & SP Series SMF Battery Models

| Model     | Capacity (AH) at 27°C |                |               |               |               | HRD<br>0.5 hr   | Dimensions (mm) ± 3mm |        |        |                 | Normal<br>Charging<br>Current<br>(A) | Short<br>Circuit<br>Current<br>(A) | Internal<br>Resistance<br>(mΩ) | Battery<br>Weight<br>(Kg)<br>± 3% | Terminal<br>Type |
|-----------|-----------------------|----------------|---------------|---------------|---------------|-----------------|-----------------------|--------|--------|-----------------|--------------------------------------|------------------------------------|--------------------------------|-----------------------------------|------------------|
|           | 20 hr<br>10.5V        | 10 hr<br>10.5V | 5 hr<br>10.5V | 3 hr<br>10.5V | 1 hr<br>10.2V | Amperes<br>9.6V | Length                | Width  | Height | Total<br>Height |                                      |                                    |                                |                                   |                  |
| SSP12-6.5 | 6.50                  | 6.05           | 5.53          | 4.88          | 3.90          | 6.50            | 151.50                | 65.00  | 94.00  | 100.00          | 0.65                                 | 97.50                              | 30.00                          | 2.00                              | F2               |
| SSP12-7   | 7.00                  | 6.51           | 5.95          | 5.25          | 4.20          | 7.00            | 151.50                | 65.00  | 94.00  | 100.00          | 0.70                                 | 105.00                             | 30.00                          | 2.15                              | F2               |
| SSP12-7.5 | 7.50                  | 6.98           | 6.38          | 5.63          | 4.50          | 7.50            | 151.50                | 65.00  | 94.00  | 100.00          | 0.75                                 | 112.00                             | 30.00                          | 2.35                              | F2               |
| SSP12-9   | 9.00                  | 8.37           | 7.65          | 6.75          | 5.40          | 9.00            | 151.50                | 65.00  | 94.00  | 100.00          | 0.90                                 | 135.00                             | 19.00                          | 2.55                              | F2               |
| SSP12-10  | 10.00                 | 9.30           | 8.50          | 7.50          | 6.00          | 10.00           | 151.00                | 98.00  | 94.50  | 100.00          | 1.00                                 | 150.00                             | 15.00                          | 3.35                              | F2               |
| SSP12-12  | 12.00                 | 11.16          | 10.20         | 9.00          | 7.20          | 12.00           | 151.00                | 98.00  | 94.50  | 100.00          | 1.20                                 | 180.00                             | 15.00                          | 3.55                              | F2               |
| SSP12-18  | 18.00                 | 16.74          | 15.30         | 13.50         | 10.80         | 18.00           | 180.00                | 77.00  | 172.00 | 172.00          | 1.80                                 | 270.00                             | 14.00                          | 6.00                              | T4               |
| SP12-26   | 26.00                 | 24.18          | 22.10         | 19.50         | 15.60         | 26.00           | 166.00                | 176.00 | 125.00 | 125.00          | 2.60                                 | 390.00                             | 14.00                          | 8.45                              | T5               |
| SP12-42   | 42.00                 | 39.06          | 35.70         | 31.50         | 25.20         | 42.00           | 197.00                | 165.00 | 179.00 | 179.00          | 4.20                                 | 630.00                             | 13.00                          | 13.40                             | T6               |
| SP12-45   | 45.00                 | 41.85          | 38.25         | 33.75         | 27.00         | 45.00           | 197.00                | 165.00 | 179.00 | 179.00          | 4.50                                 | 675.00                             | 13.00                          | 14.50                             | T6               |
| SP12-55   | 55.00                 | 51.15          | 46.75         | 41.25         | 33.00         | 55.00           | 349.00                | 167.00 | 190.00 | 192.00          | 5.50                                 | 825.00                             | 11.00                          | 19.50                             | T6               |
| SP12-65   | 65.00                 | 60.45          | 55.25         | 48.75         | 39.00         | 65.00           | 349.00                | 167.00 | 190.00 | 192.00          | 6.50                                 | 975.00                             | 11.00                          | 21.90                             | T6               |
| SP12-75   | 75.00                 | 69.75          | 63.75         | 56.25         | 45.00         | 75.00           | 349.00                | 167.00 | 190.00 | 192.00          | 7.50                                 | 1125.00                            | 11.00                          | 23.50                             | T6               |
| SP12-90   | 90.00                 | 83.70          | 76.50         | 67.50         | 54.00         | 90.00           | 331.00                | 173.00 | 223.00 | 225.00          | 9.00                                 | 1350.00                            | 9.00                           | 28.90                             | T6               |
| SP12-100  | 100.00                | 93.00          | 85.00         | 75.00         | 60.00         | 100.00          | 331.00                | 173.00 | 223.00 | 225.00          | 10.00                                | 1500.00                            | 5.30                           | 30.00                             | T6               |
| SP12-120  | 120.00                | 111.60         | 102.00        | 90.00         | 72.00         | 120.00          | 405.00                | 172.00 | 226.00 | 226.00          | 12.00                                | 1800.00                            | 4.00                           | 37.20                             | T8               |
| SP12-130  | 130.00                | 120.90         | 110.50        | 97.50         | 78.00         | 130.00          | 485.00                | 170.00 | 242.00 | 242.00          | 13.00                                | 1950.00                            | 4.00                           | 40.40                             | T8               |
| SP12-150  | 150.00                | 139.50         | 127.50        | 112.50        | 90.00         | 150.00          | 485.00                | 170.00 | 242.00 | 242.00          | 15.00                                | 2250.00                            | 3.60                           | 43.70                             | T8               |
| SP12-165  | 165.00                | 153.45         | 140.25        | 123.75        | 99.00         | 165.00          | 485.00                | 170.00 | 242.00 | 242.00          | 16.50                                | 2475.00                            | 3.60                           | 48.50                             | T8               |
| SP12-200  | 200.00                | 186.00         | 170.00        | 150.00        | 120.00        | 200.00          | 522.00                | 238.00 | 219.00 | 225.00          | 20.00                                | 3000.00                            | 3.60                           | 60.00                             | T8               |
| SP12-220  | 220.00                | 204.60         | 187.00        | 165.00        | 132.00        | 220.00          | 522.00                | 238.00 | 219.00 | 225.00          | 22.00                                | 3300.00                            | 3.00                           | 63.00                             | T8               |
| SP12-240  | 240.00                | 223.20         | 204.00        | 180.00        | 144.00        | 240.00          | 522.00                | 238.00 | 219.00 | 225.00          | 24.00                                | 3600.00                            | 3.00                           | 66.00                             | T8               |

\*Specifications are under continuous improvement. Subject to change without notice.



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**TUBULAR BATTERY**

**SMF BATTERY**

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