6-SPB SUPER POWER LEAD-CARBON

# Product Data Sheet

## 6-SPB-50B

Spiral Lead-Carbon Starting Battery

| NOMINAL VOLTAGE | RATED CAPACITY | COLD CRANKING CURRENT | INTERNAL RESISTANCE |
|---|---|---|---|
| **12 V** | **55 Ah at 20 h to 1.75 V/cell, 25 C** | **850 A, SAE** | **2.9 milliohm, fully charged** |

Shuangdeng 6-SPB-50B is a 12 V spiral-wound lead-carbon battery designed for high-current starting duty. Its AGM separator and ultra-thin plate construction combine a compact cell arrangement with low internal resistance. The manufacturer rates this exact 50B version at 55 Ah under a 20-hour discharge to 1.75 V per cell at 25 C, with an SAE cold-cranking current of 850 A.

## 01 TECHNICAL DATA

| | |
|---|---|
| Nominal voltage | 12 V |
| Rated capacity | 55 Ah at 20 h to 1.75 V/cell, 25 C |
| Cold cranking current | 850 A, SAE |
| Internal resistance | 2.9 milliohm, fully charged |
| Reserve capacity | 105 min at 25 C |
| Operating temperature | -45 to +75 C |
| Separator construction | AGM |
| Storage without charging | 6 months |
| Maximum charge current | 4.5 C20 |
| Maximum discharge current | 18 C20 |

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Cycle charge voltage | 14.5 to 15.0 V at 25 C |
| Seal reaction efficiency | 100% |
| Starting-battery standard | IEC 60095-1 |
| European battery standard | EN 50342 |
| Chinese battery standard | GB/T 5008.1 |

## 03 PRODUCT FUNCTION

The battery has a fully charged internal resistance of 2.9 milliohm and a reserve capacity of 105 minutes at 25 C. Its specified operating range extends from -45 to +75 C, while the cycle-charge voltage is 14.5 to 15.0 V at 25 C. The spiral construction supports rapid recharge and repeated starting, with terminal polarity and top-post arrangement defined in the model drawing.

## 04 SYSTEM COMPATIBILITY

Use the manufacturer drawing to retain positive and negative post positions and provide suitable terminal clearance. Select conductors and protective devices for the actual installation fault current and starting duty. Keep the battery secure and avoid loads on the posts from unsupported cables or incorrectly positioned clamps.

## 05 REFERENCE

Shuangdeng 6-SPB Super Power Lead-Carbon manufacturer technical data

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