6-SPB SUPER POWER LEAD-CARBON

Product Data Sheet

6-SPB-75

Spiral Lead-Carbon Starting Battery

NOMINAL VOLTAGE	RATED CAPACITY	COLD CRANKING CURRENT	INTERNAL RESISTANCE
12 V	**80 Ah at 20 h to 1.75 V/cell, 25 C**	**1050 A, SAE**	**2.4 milliohm, fully charged**

Shuangdeng 6-SPB-75 is a 12 V spiral-wound lead-carbon battery for demanding starting duty. In the lead-carbon version, the manufacturer specifies an 80 Ah capacity at the 20-hour rate to 1.75 V per cell at 25 C and a 1050 A SAE cold-cranking rating. An AGM separator and low-resistance plate arrangement support high-current discharge and repeated recharge.

01 TECHNICAL DATA

Nominal voltage	12 V
Rated capacity	80 Ah at 20 h to 1.75 V/cell, 25 C
Cold cranking current	1050 A, SAE
Internal resistance	2.4 milliohm, fully charged
Reserve capacity	165 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 fully charged internal resistance is 2.4 milliohm and the reserve capacity is 165 minutes at 25 C. The specified cycle-charge range is 14.5 to 15.0 V at 25 C, with an operating temperature range from -45 to +75 C. This lead-carbon sheet uses a 257 mm total-height outline; specifications from the separately documented 75 Ah copper-terminal version describe a different configuration.

04 SYSTEM COMPATIBILITY

The 12 V starting installation must accommodate the short-duration cranking current without excessive cable voltage drop. Keep the positive and negative connections mechanically supported and prevent contact between live posts and surrounding metalwork. The reserve-capacity value of 165 minutes is a battery test rating, not a guarantee of runtime for every load.

05 REFERENCE

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

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