

Specifications

	Item	Specification
General Information		
1.	Battery Type	Sealed Maintenance-free, Pure Lead-Tin, Valve Regulated Lead Acid Monobloc Battery, Type: IG 100-12
2.	Nominal Capacity at 20 hr rate to end 10.5V/b (1.75vpc) at 25 °C	100 Ah
3.	Nominal Voltage of Monobloc	12V
4.	Normal operating temperature	+20°C to +30°C
5.	Operating temperature limits	-40°C to +50°C
Mechanical Data		
6.	Dimensions in mm	See figure 1 below
7.	Weight in kgs	36 kgs (approx)
Electrical Data		
8.	CCA at -18°C (SAE J 537)	1150 amps
9.	Internal resistance in milli ohms (BS 6290)	3.5 m Ω (approx)
10.	Ampere-hour efficiency	95% (minimum)
11.	Watt-hour efficiency	85% (minimum)
12.	Charging Voltage on vehicle (Alternator output)	13.80V to 14.2V per 12V monobloc at 25°C
Design Data		
13.	Type of plate	Thin, flat, pasted
14.	Thickness of plates	2.0 mm (max.)
15.	Type of Separator	Absorptive Glass Mat (AGM)
16.	Grid Alloy	Pure lead – tin
17.	Material of container and lid	ABS
18.	Type of sealing	Fusion Sealing
19.	Type of vent seal	Bunsen type, Self-resealing & pressure regulating
20.	Electrolyte	Dilute sulphuric acid in totally absorbed condition

Figure 1

