

Specifications

	Item	Specification
General Information		
1.	Battery Type	Sealed Maintenance-free, Pure Lead-Tin, Valve Regulated Lead Acid Monobloc Battery, Type: IG 70-12
2.	Nominal Capacity at 20 hr rate to end 10.5V/b (1.75vpc) at 25°C	70 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	24 Kg (approx)
Electrical Data		
8.	CCA at -18°C (SAE J 537)	750 amps
9.	Internal resistance in milli ohms (BS 6290)	4.5 mΩ (approx)
10.	Ampere-hour efficiency	95% (minimum)
11.	Watt-hour efficiency	85% (minimum)
12.	Charging Voltage on vehicle: Alternator output Voltage on full RPM of engine	13.80V to 14.2V per 12V system
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

