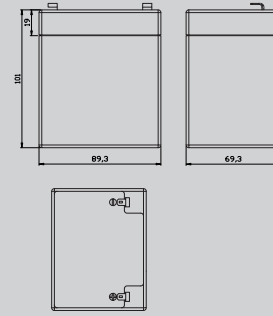


12 SB 4.5 (12V 4.5Ah)



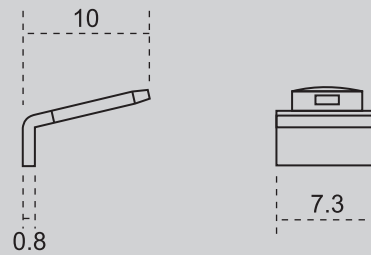
Outer Dimensions (mm)



Specifications

Nominal Voltage		12 V
Rated Capacity (10 Hour Rate)		4.5 Ah
Dimensions	Total Height	106.2 mm
	Height	101 mm
	Length	89.3 mm
	Width	69.3 mm
Container Material		ABS (UL94-HB/V0)
Weight Approx (±2.5%)		1.8 Kg

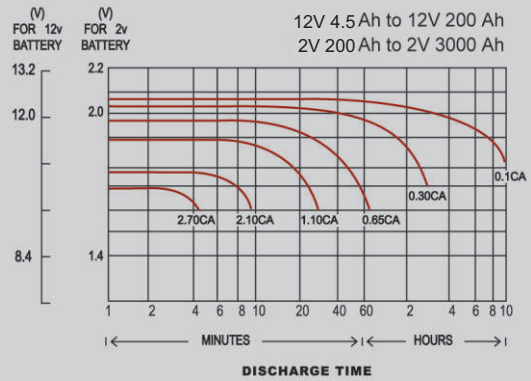
Terminal Type (mm)



Characteristics

Capacity 25°C (77°F)	10 hour-rate	4.5 Ah
	3 hour-rate	3.18 Ah
Internal Resistance	Full Charge Battery at 25°C (77°F)	
	1 hour-rate	2.34 Ah
		20 mΩ
Capacity Affected by Temperature (10 Hour Rate)	35°C	4.56 Ah
	25°C	4.5 Ah
	0°C	3.84 Ah
	-10°C	3.18 Ah
Self-Discharge at 25°C (77°F)	Capacity After The 3 Month of Storage	91 %
	Capacity After The 6 Month of Storage	82 %
	Capacity After The 12 Month of Storage	64 %
Charge Constant Voltage	Cycle	Voltage 2.40-2.45 / Cell
	Float	Voltage 2.23-2.25 / Cell

Discharge Curves 25°C (77°F)



Discharge and Final Voltage Table According to IEC60896-21 Standard

Discharge time	0.25 h	1 h	3 h	5 h	8 h	10 h
Final voltage	1.60 VPC	1.60 VPC	1.70 VPC	1.73 VPC	1.75 VPC	1.80 VPC

Constant Current (A) Discharge Table at 25°C (77°F)

Amount of Current (A)	Discharge Time						
	1 h	2 h	3 h	5 h	8 h	10 h	20 h
2.34	1.43	1.06	0.7	0.49	0.45	0.23	