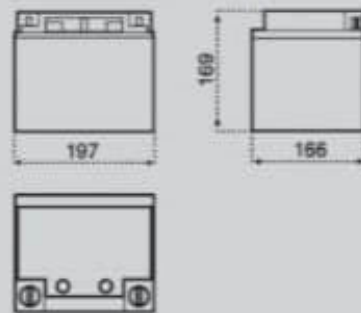


12 SB 42 (12V 42Ah)



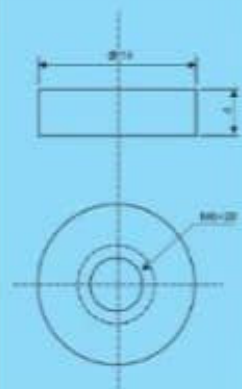
Outer Dimensions (mm)



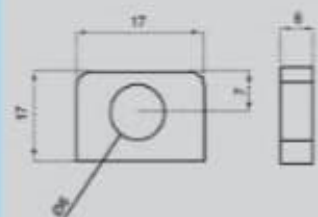
Specifications

Nominal Voltage		12 V
Rated Capacity (10 Hour Rate)		42 Ah
Dimensions	Total Height	169 mm
	Height	169 mm
	Length	197 mm
	Width	166 mm
Terminal		F1 / F2
Container Material		ABS (UL94-HB/V0)
Weight Approx (±2.5%)		13.1 Kg

Terminal Type brass core (mm)
(F1)



Terminal Type bolt and nut (mm)
(F2)



Characteristics

Capacity 25°C (77°F)		10 hour-rate	42 Ah
		3 hour-rate	30 Ah
		1 hour-rate	22 Ah
Internal Resistance		Full Charge Battery at 25°C (77°F)	9 mΩ
Capacity Affected by Temperature (10 Hour Rate)		35°C	43 Ah
		25°C	42 Ah
		0°C	36 Ah
		-10°C	30 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 2.23-2.28 / 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
	22	13.4	10	6.6	4.6	4.2	2.27