

SHL 5 - 12

7STARS



SPECIFICATION

Nominal Voltage (V)	12V
Nominal Capacity	
20 hours rate	5Ah
10 hours rate	4.75Ah
5 hours rate	4.25Ah
1C	2.83Ah
3C	2.0Ah
Weight	1.9kg

Internal Resistance 19mΩ@1kHz

Maximum Discharge Current for	
30 sec.	-
5 sec.	75A

Operating Temperature Range	
Charge	0°C ÷ 40°C
Discharge	-15°C ÷ 50°C
Storage	-15°C ÷ 40°C

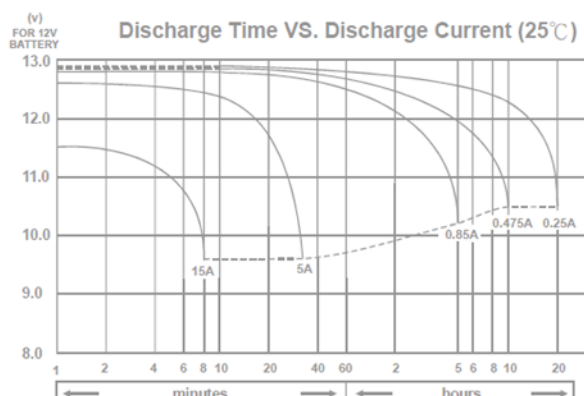
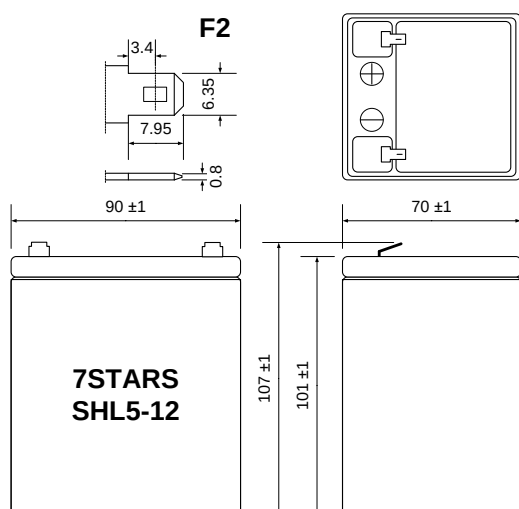
Charge Retention (shelf life) at 20°C	
1 month	92%
3 month	90%
6 month	80%

Charging Methods at 20°C	
Cycle use:	
Charging Voltage	14.4 ÷ 15.0V
Max. Charging Current	1.5A
Standby use	
Float Charging Voltage	13.5 ÷ 13.8V

Life expectancy	
Cycle Use	
100% depth of discharge	200 cycles
80% depth of discharge	225 cycles
50% depth of discharge	500 cycles
Standby Use	10 years

Case Material ABS

Terminal F2



Constant Power Discharge Characteristics (25°C) [Watt]

Cut Off V	Time											
	5 min.	10 min.	15 min.	30 min.	1 hour	2 hours	3 hours	4 hours	5 hours	10 hours	20 hours	
11.1	218	154	118	66.9	35.7	18.8	15.2	12.1	10.4	6.05	3.18	
10.8	237	166	127	70.3	37.6	20.3	16.3	12.9	11.2	6.53	3.43	
10.5	249	175	131	72.7	38.8	21.2	17.1	13.6	11.7	6.89	3.62	
10.2	261	181	135	75.1	40.2	21.9	17.8	14.0	11.9	7.02	3.69	
10.0	266	184	137	75.9	40.9	22.3	18.1	14.2	12.0	7.08	3.72	
9.90	273	188	139	76.8	41.5	22.8	18.4	14.4	12.1	7.14	3.75	
9.60	282	194	142	77.5	42.4	23.5	18.9	14.7	12.3	7.23	3.80	