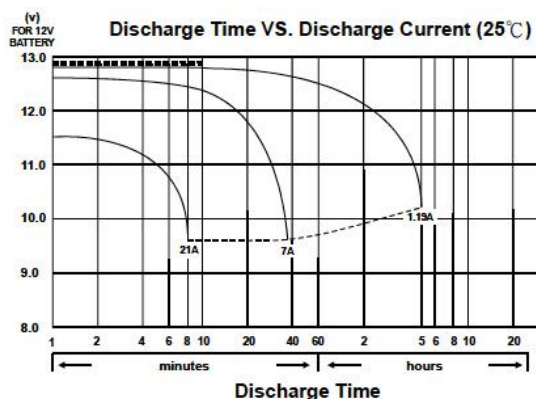
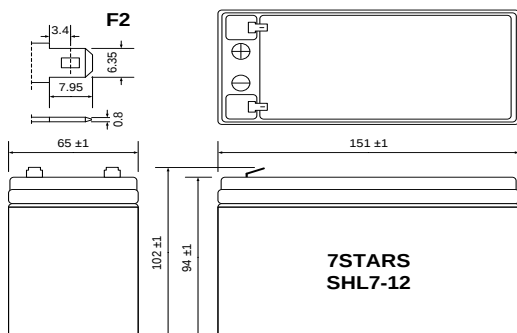


SHL 7-12



SPECIFICATION

Nominal Voltage (V)	12V
Nominal Capacity	
15 min. rate	42Wh
20 hour rate	7.0Ah
5 hour rate	5.95Ah
1C	4.43Ah
3C	2.8Ah
Weight	2.2kg
Internal Resistance	17mΩ @ 1kHz
Maximum Discharge Current for	
5 sec.	105A

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

Max. Charging Current	2.1A
Cycle use:	
Charging Voltage	14.4 ÷ 15.0V
Thermal Coefficient	-5.0mV/°C/cell
Standby use:	
Float Charging Voltage	13.50 ÷ 13.80V
Thermal Coefficient	-3.0mV/°C/cell

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 (Faston Tab 250)

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

Cut Off	Time										
V	5 min.	10 min.	15 min.	30 min.	1 hour	2 hours	3 hours	4 hours	5 hours	10 hours	20 hours
11.1	263	180	144	72.4	46.2	24.6	18.5	17.1	14.8	8.16	4.14
10.8	282	191	151	77.6	50.3	27.1	19.9	17.6	15.2	8.39	4.23
10.5	294	199	155	81.5	51.8	28.3	20.9	18.0	15.5	8.51	4.31
10.2	306	206	159	84.6	53.2	29.5	21.7	18.3	15.7	8.59	4.37
10.0	311	209	161	85.5	53.8	29.9	22.0	18.4	15.8	8.62	4.39
9.90	317	213	164	86.4	54.5	30.4	22.3	18.6	15.9	8.66	4.42
9.60	326	219	168	87.5	55.4	31.2	22.8	18.9	16.1	8.72	4.46

Due to continual product improvement, the design and specifications are subject to change without prior notice.