



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	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.

## SPECIFICATION

<b>Nominal Voltage (V)</b>	12V
<b>Nominal Capacity</b>	
15 min. rate	42Wh
20 hour rate	7.0Ah
5 hour rate	5.95Ah
1C	4.43Ah
3C	2.8Ah
<b>Weight</b>	2.2kg
<b>Internal Resistance</b>	17mΩ @ 1kHz
<b>Maximum Discharge Current for</b>	
5 sec.	105A
<b>Operating Temperature Range</b>	
Charge	0°C ÷ 40°C
Discharge	-15°C ÷ 50°C
Storage	-15°C ÷ 40°C
<b>Charge Retention (shelf life) at 20°C</b>	
1 month	92%
3 month	90%
6 month	80%
<b>Charging Methods at 20°C</b>	
Max. Charging Current	2.1A
<b>Cycle use:</b>	
Charging Voltage	14.4 ÷ 15.0V
Thermal Coefficient	-5.0mV/°C/cell
<b>Standby use:</b>	
Float Charging Voltage	13.50 ÷ 13.80V
Thermal Coefficient	-3.0mV/°C/cell
<b>Life expectancy</b>	
<b>Cycle Use</b>	
100% depth of discharge	200 cycles
80% depth of discharge	225 cycles
50% depth of discharge	500 cycles
<b>Standby Use</b>	10 years
<b>Case Material</b>	ABS
<b>Terminal</b>	F2 (Faston Tab 250)