



SPECIFICATION

Nominal Voltage (V)	12V
Nominal Capacity	
20 hour rate	65Ah
10 hour rate	61.75Ah
5 hour rate	55.25Ah
1C	41.17Ah
3C	26Ah
Weight	20.5kg
Internal Resistance	7mΩ @ 1kHz

Maximum Discharge Current for	
5 sec.	780A
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	19.5A
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 ÷ 12 years

Case Material	ABS
Terminal	F8 (M6 Bolt)
Recommended torque value	5.39Nm (55kg-cm)
Maximum torque value	8.82Nm (90kg-cm)

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	2412	1765	1386	866	460	309	213	171	143	82.0	42.2
10.8	2580	1861	1440	885	467	314	216	174	145	83.0	42.9
10.5	2742	1941	1487	902	472	318	219	176	146	83.6	43.6
10.2	2892	2019	1526	917	478	323	221	178	148	84.2	44.2
9.90	2970	2059	1551	925	481	324	223	180	149	85.4	44.6
9.60	3151	2144	1599	943	487	330	225	182	151	86.5	45.4

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