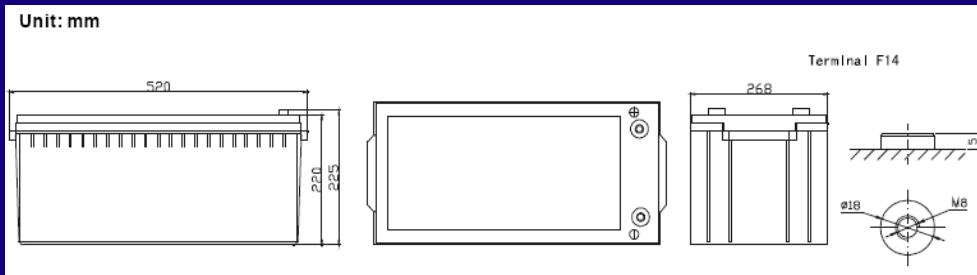


# 12V Deep Cycle Gel Battery

SE-12RADG260

## SPECIFICATIONS

Cells per Unit	6
Nominal Voltage	12V
Capacity	257Ah @ 10hr-rate to 1.80V per cell @ 25°C
Weight	~78.6 kg
Max. Discharge Current	1300A (5 sec)
Internal Resistance	~8 mΩ
Operating Temperature Range	Discharge: -30°C - +60°C Charge: -20°C - +50°C Discharge: -30°C - +60°C
Normal Operating Temperature Range	25°C±5°C
Float Charging Voltage	13.6 to 13.8VDC / unit average at 25°C
Recommended Maximum Charging Current Limit	78A
Equalization and Cycle Serve	14.1 to 14.3VDC / unit average at 25°C
Self Discharge	The batteries can be stored for more than 12 months at 25°C. Batteries should be charged before use. In higher temperatures, the time interval will be shorter
Terminal	Terminal F14
Container Material	A.B.S. (UL94-HB) Flammability resistance of UL94-V1 is available upon request



### Constant Current Discharge Characteristics Unit: A(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	890	638	464	274	158	97	63	53	41	30	26.4	13.9
1.67V	866	607	454	269	157	96	63	52	41	30	26.1	13.7
1.70V	816	585	447	267	156	96	63	52	41	29	25.9	13.4
1.75V	733	540	426	260	154	95	62	52	40	29	25.6	13.2
1.80V	661	492	393	249	151	93	61	50	40	29	25.4	12.9
1.85V	576	440	352	233	143	89	58	48	38	27	24.6	12.2

### Constant Power Discharge Characteristics Unit: W(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	1595	1166	859	515	301	186	122	101	80	58	49.4	26.1
1.67V	1563	1114	841	508	300	185	122	101	79	58	48.9	25.9
1.70V	1475	1077	830	502	298	184	121	100	79	57	48.7	25.6
1.75V	1328	995	791	491	295	182	120	100	78	57	48.2	25.4
1.80V	1195	904	727	468	287	179	117	97	77	55	47.7	25.1
1.85V	1031	802	649	439	272	171	112	92	73	53	46.1	24.1

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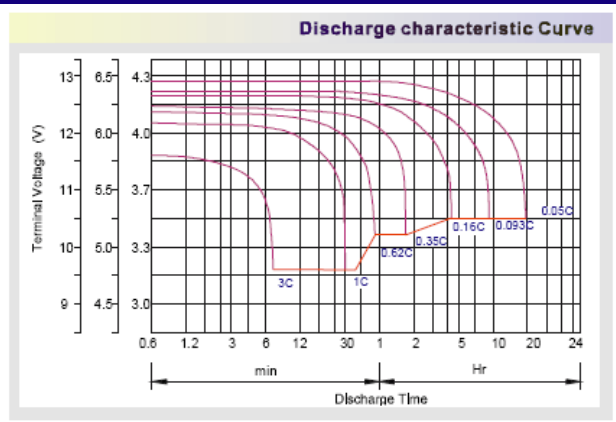
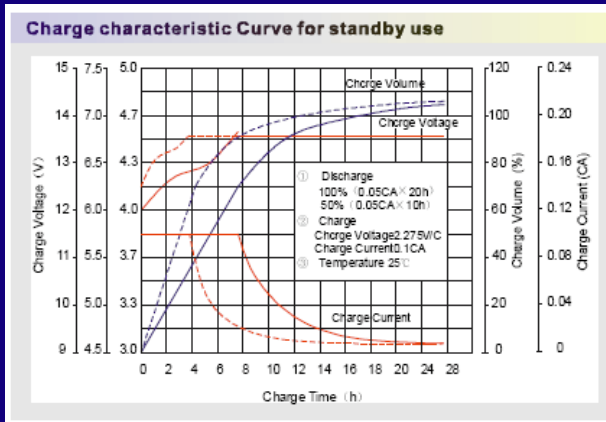
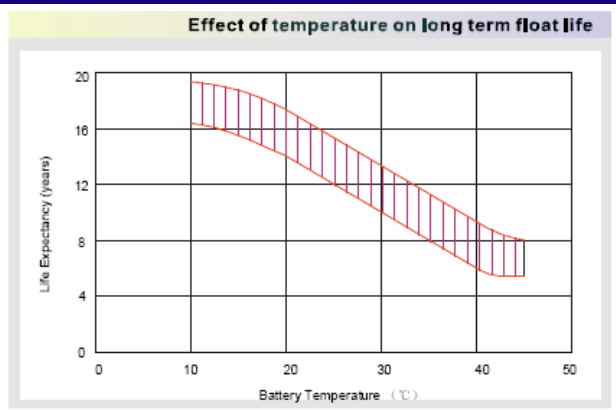
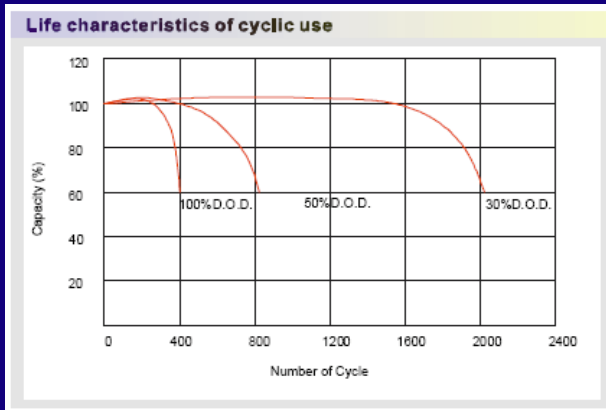
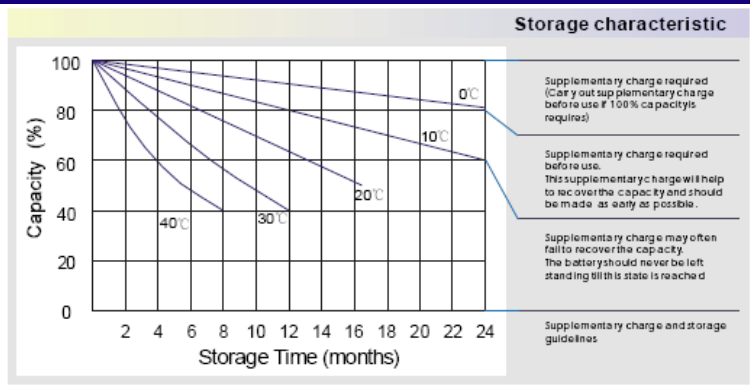
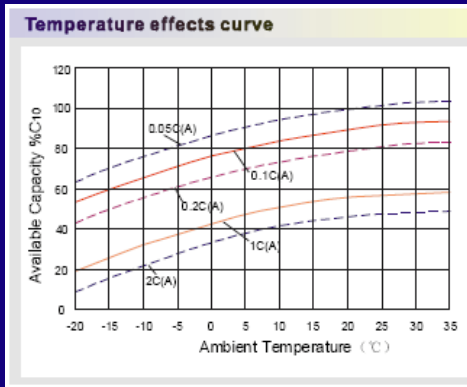
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# 12V Deep Cycle Gel Battery

SE-12RADG260



### Charging Procedures (12V series)

Application	Charge Voltage (V)			Max. Charge Current
	Temperature	Set point	Allowable range	
Cycle Use	25°C	14.2	14.1~14.3	0.3C
Standby	25°C	13.7	13.6~13.8	0.3C

**Charge the batteries at least once every six months, if they are stored at 25°C.**

Charging Method:

Constant Voltage	-0.2Cx2h +14.1~14.3V,24h,Max. Current 0.2CA
Constant Current	-0.2Cx2h +0.1CAx12h

### Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/cell	1.75V	1.70V	1.60V
Discharge Current (A)	(A) ≤ 0.2C	0.2C < (A) < 1.0C	(A) ≥ 1.0C

### Charging Procedures (6V series)

Application	Charge Voltage (V)			Max. Charge Current
	Temperature	Set point	Allowable range	
Cycle Use	25°C	7.10	7.05~7.15	0.3C
Standby	25°C	6.85	6.8~6.9	0.3C

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