

Deep Cycle Gel Type Batteries

12V 33AH - M6/F8 Terminal

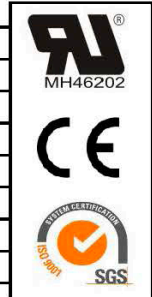
Model: SG4560



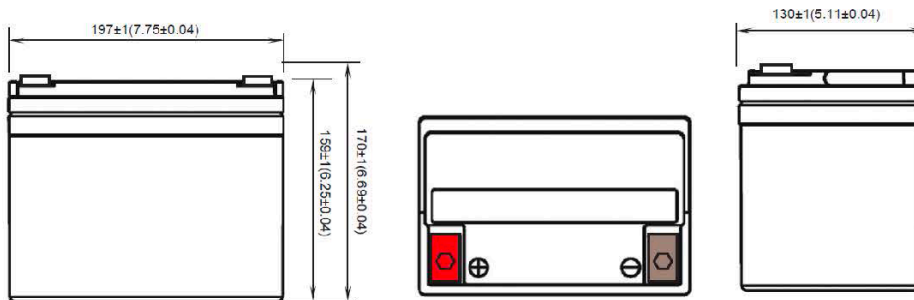
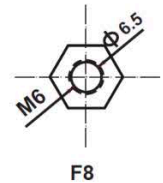
Deep cycle batteries are designed for regular discharge. These are suitable for every day use in golf buggies, wheelchairs, forklifts and remote power applications. This 12V 33Ah sealed lead acid (SLA) battery is a compact battery for powering 12V equipment. Fitted with M6 bolt and nut terminals, these batteries are easily user replaced in most equipment they are used in. Cells are fully sealed to prevent any leakage of electrolyte.

Our range of Powerhouse SLA batteries are from a quality supplier and are graded for use in commercial systems. We have found the quality of SLA batteries varies considerably between suppliers and often cheaper units have a shorter life span.

Cell per unit	6	Ambient temperature	
Nominal Voltage (V)	12	Charge	0°C (32°F) to 40°C (104°F)
Nominal Capacity (Ah)	33Ah @ 20hour rate F.V(1.75/Cell)	Discharge	-15°C (5°F) to 50°C (122°F)
Weight	Approx 10.02 kg(22.09Lbs.)	Storage	-15°C (5°F) to 40°C (104°F)
Internal Resistance (1KHz)	12mΩ	Max charge Current	
Max Discharge Current (5s)	330A (5s)	Cycle use :	Max charge current : 9.9A
Battery Life :	Stand by :5~7 years	Charge voltage :	14.4V to 15.0V
Terminal Type	M6/F8	Stand by :	Charge voltage: 13.5V to 13.8V
Container Material	ABS(Option : 94-HB & 94V-0 flame retardant case)		



DIMENSIONS	Length	Width	Height	Total Height	
Unit: mm	197±1	130±1	159±1	170±1	163±1
Unit: inch	7.75±0.04	5.11±0.04	6.25±0.04	6.69±0.04	6.42±0.04



Constant current discharge characteristics Unit:A(25°C 77°F)										
F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	115.0	63.0	38.3	20.6	12.0	8.87	6.11	4.00	3.32	1.71
1.67V	112.0	62.0	38.0	19.9	11.6	8.61	5.91	3.96	3.28	1.70
1.70V	104.0	60.0	37.2	19.5	11.4	8.25	5.65	3.90	3.21	1.68
1.75V	97.0	55.5	36.2	19.2	11.1	8.03	5.61	3.84	3.15	1.65
1.80V	88.0	52.1	34.5	18.8	10.5	7.88	5.40	3.78	3.07	1.64

Constant power discharge characteristics Unit:W(25°C 77°F)										
F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	1200.0	680.0	380.0	238.0	148.0	101.0	70.2	45.6	40.00	21.90
1.67V	1181.0	670.0	372.5	235.1	145.0	99.5	68.2	45.5	39.80	21.00
1.70V	1075.0	642.0	364.7	133.1	144.0	98.2	67.5	45.1	39.60	20.72
1.75V	978.0	593.0	356.2	230.5	143.0	97.6	66.2	44.5	39.50	20.52
1.80V	850.0	534.0	346.3	208.0	140.2	95.8	64.5	44.2	39.40	19.79

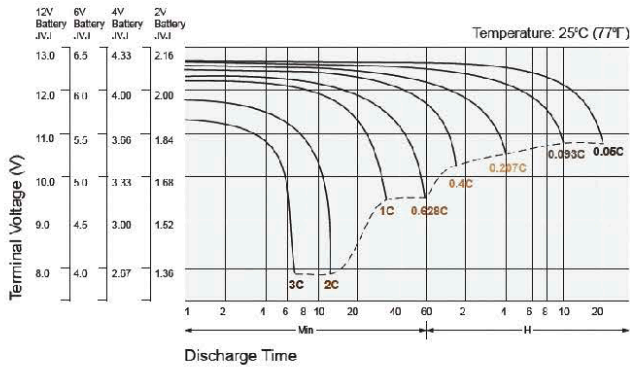
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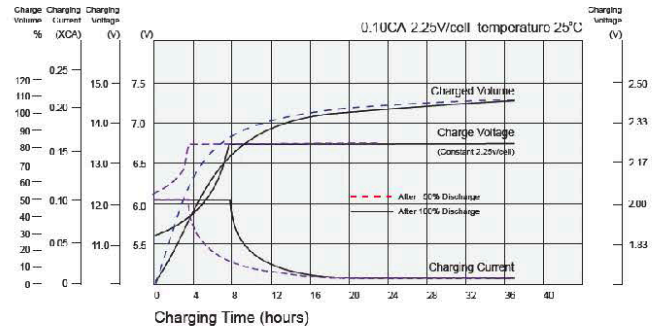
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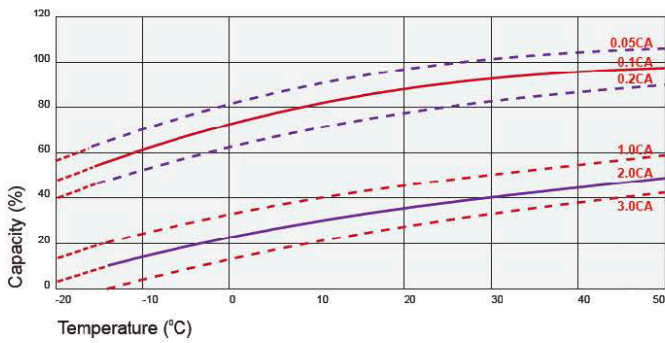
Battery Discharge Characteristics (25°C/77°F)



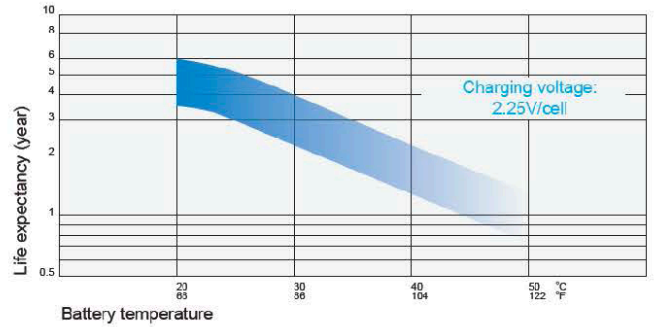
Battery Charge Characteristic for standby use



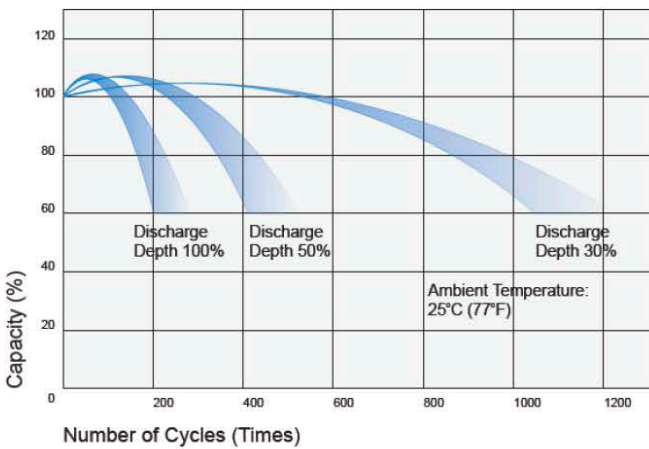
Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life



Cycle Service Life



Self Discharge Characteristics

