

S Series General Purpose Battery

S-6V225GC (6V214AH) AGM Sealed Lead Acid

Specifications	
Nominal Voltage	6V
Nominal Capacity	214 AH/10.7A (20 hr. to 1.80V/cell @ 77°F/25°C) 198 AH/19.8A (10 hr. to 1.80V/cell @ 77°F/25°C) 194 AH/24.3A (8 hr. to 1.75V/cell @ 77°F/25°C)
Length	10.24 in. (260mm)
Width	7.09 in. (180mm)
Total Height (with Terminal)	9.96 in. (253mm)
Approx. Weight	Approx. 67.3 lb. (30.5kg)
Hardware / Torque Rating	M8 / 98-130 in. lb.
Container Material	ABS
Max. Discharge Current	2000A (5s)
Internal Resistance	Approx. 1.4mΩ
Operating Temp. Range	Discharge: 5° to 130°F (-15° to 55°C) Charge: 32° to 104°F (0° to 40°C) Storage: 5° to 104°F (-15° to 40°C)
Nominal Operating Temp.	77±5°F (25±3°C)
Cycle Use	Initial Charging Current less than 45.0A Voltage 7.2V to 7.5V at 77°F (25°C) Temp. Coefficient -15mV/°C
Stand by Use	Float Voltage: 6.75V at 77°F (25°C) Equalize Voltage: 7.05V at 77°F (25°C)
Capacity Affected by Temperature	104°F (40°C) 103% 77°F (25°C) 100% 32°F (0°C) 86%
Self Discharge	SBS S Series batteries may be stored for up to 6 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.



Applications

- Telecommunications
- Utility
- Industrial
- Deep cycle
- All purpose



S-6V225GC (6V214AH)

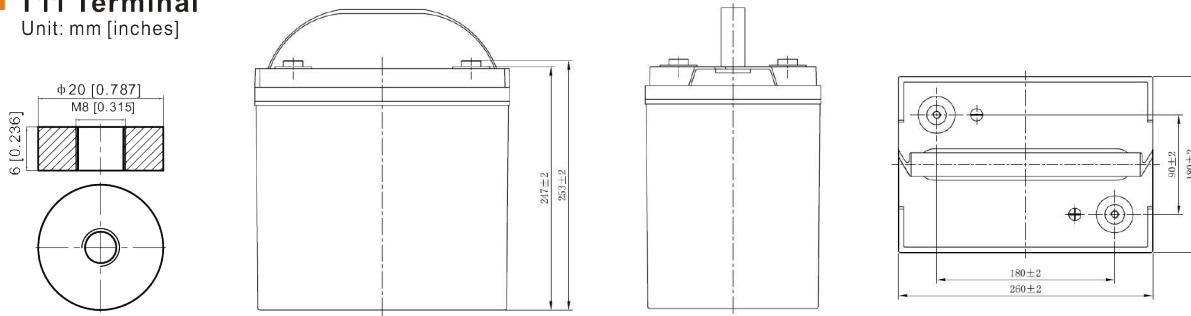
Constant Current Discharge (Amperes) at 77°F (25°C)											
F.V/Time	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	6 hr	8 hr	10 hr	20 hr
1.85V/cell	230	170	118	67.2	48.5	38.6	32.6	28.8	23.2	19.4	10.5
1.80V/cell	260	210	128	72.4	52.0	41.5	34.6	30.1	23.9	19.8	10.7
1.75V/cell	301	242	137	78.0	55.5	43.5	36.0	31.2	24.3	20.1	10.8
1.70V/cell	322	250	142	79.8	56.5	44.1	36.4	31.6	24.6	20.4	10.9
1.65V/cell	344	256	145	81.3	57.3	45.0	36.9	31.9	24.8	20.6	11.0
1.60V/cell	380	263	148	82.5	58.4	45.4	37.5	32.2	25.1	20.8	11.0

Constant Power Discharge (Watts/cell) at 77°F (25°C)											
F.V/Time	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	6 hr	8 hr	10 hr	20 hr
1.85V/cell	434	327	229	131	94.7	75.5	64.1	56.9	45.8	38.4	21.1
1.80V/cell	483	399	247	140	101.2	80.9	67.7	59.2	47.3	39.2	21.3
1.75V/cell	554	457	263	151	108.0	84.6	70.4	61.3	47.9	39.8	21.6
1.70V/cell	588	471	272	154	109.0	85.6	70.9	62.1	48.5	40.2	21.8
1.65V/cell	624	479	277	156	111.0	87.1	71.8	62.6	48.8	40.6	21.8
1.60V/cell	681	488	281	157	112.0	87.6	72.6	63.0	49.4	41.0	21.8

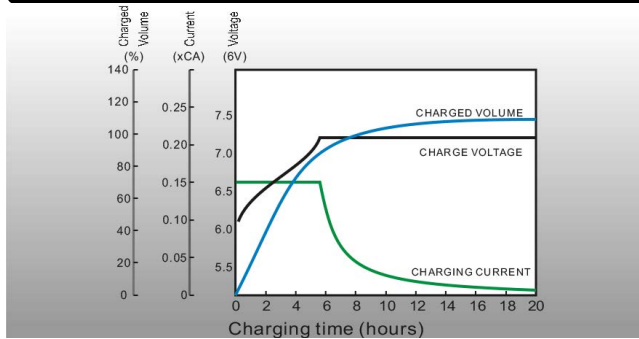
Dimensions

T11 Terminal

Unit: mm [inches]



Constant Voltage Charging Characteristics



Cycle Life in Relation to Depth of Discharge

