

### SPECIFICATION / TECHNICAL SHEET

#### Specifications

Nominal Voltage	12V (6 cells per unit)	
Rated capacity (20 hour rate)	105Ah/10.8V	
Dimensions	Length	306±2mm
	Width	169±2mm
	Height	210±2mm
	Total Height	215±2mm
Approx. Weight	26.50kg±3%	

#### Characteristics

Capacity (25°C)	10HR(10.8V)	98.0Ah
	3HR(10.8V)	72.0Ah
	1HR(10.5V)	61.0Ah
Terminal type	M6	
Internal resistance (Fully charged, 25°C)	Approx. 57mΩ	
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3month	Remaining capacity: 91%
	6month	Remaining capacity: 82%
	12month	Remaining capacity: 65%
Nominal operating temperature	25°C ±3°C (77°F ± 5°F)	
Operating temperature range	Discharge	- 15°C~ 60°C (5°F ~ 122°F)
	Charge	0°C~ 60°C (14°F ~ 122°F)
	Storage	- 15°C~ 60°C (-4°F ~ 122°F)
Float charging voltage (25°C)	13.50 to 13.80V Temperature compensation: -20mV/°C/Block	
Cyclic charging voltage (25°C)	14.50 to 14.9V Temperature compensation: -30mV/°C/Block	
Maximum charging current	31.5A	
Maximum discharge current	900A (5 sec.)	
Cold Cranking Amps	585 CCA	
Designed floating life (25°C)	10years	



#### Applications

- All Purpose
- Standby Applications
- Recreation Vehicles
- Uninterruptible Power Supply (UPS)
- Electric Power System (EPS)
- Fire & Security
- Generators
- Medical Equipment

**SPECIFICATION / TECHNICAL SHEET cont.**

**Construction**

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

**Constant Current Discharge Characteristics Unit: A 25°C**

F.V/Time	10min	15min	30min	45min	1h	3h	5h
1.80V/cell	157	128	82.1	61.8	51.6	22.9	15.6
1.75V/cell	168	138	85.2	64.2	53.8	24.0	16.1
1.70V/cell	179	149	97.8	66.6	55.2	24.8	16.6
1.65V/cell	200	157	92.7	70.1	55.8	25.7	16.9
1.60V/cell	210	168	97.6	73.2	61.1	26.7	17.1

**Constant Power Discharge Characteristics Unit: W 25°C**

F.V/Time	5min	10min	15min	30min	45min	1h	3h	5h
1.80V/cell	372	302	128	159	123	99.5	44.8	30.1
1.75V/cell	405	330	138	163	125	101	45.0	30.5
1.70V/cell	430	332	276	167	126	105	46.3	31.3
1.65V/cell	479	350	294	176	136	110	47.7	31.7
1.60V/cell	491	359	299	184	142	115	47.8	32.1

Note: The above characteristics data can be obtained within three charge or discharge cycles.



**For pricing and availability please contact the team  
at SPB on 1300 001 772 or [sales@spb.net.au](mailto:sales@spb.net.au)**