

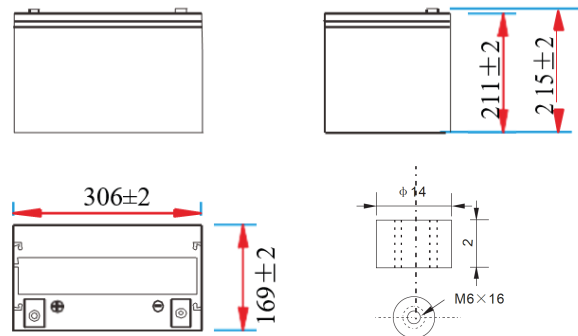
SPECIFICATION / TECHNICAL SHEET

Specifications

Nominal Voltage	12V (6 cells per unit)	
Rated capacity (20 hour rate) / CCA	100Ah / 565CCA	
Dimensions	Length	306±2mm
	Width	169±2mm
	Height	211±2mm
	Total Height	215±2mm
Approx. Weight	26.00kg±3%	

Characteristics

Capacity (25°C)	20HR(10.8V)	100Ah
	10HR(10.8V)	93.5Ah
	1HR(10.5V)	52.3Ah
Terminal type		M6
Internal resistance (Fully charged, 25°C)		Approx. 5mΩ
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 - 50°C (5°F - 122°F)
	Charge	- 10°C - 50°C (14°F - 122°F)
	Storage	- 20°C - 50°C (-4°F - 122°F)
Float charging voltage (25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C/Block
Cyclic charging voltage (25°C)		14.4 to 14.7V Temperature compensation: -30mV/°C/Block
Maximum charging current		27.0A
Maximum discharge current		800A (5 sec.)
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	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	205.70	158.40	94.60	58.19	34.43	24.86	19.80	16.94	11.66	9.58	5.06
9.90V	199.10	155.10	92.62	57.31	34.21	24.64	19.69	16.83	11.55	9.56	5.05
10.2V	190.30	148.50	89.87	55.88	33.88	24.53	19.58	16.72	11.55	9.54	5.03
10.5V	183.70	144.10	87.67	54.12	33.44	24.31	19.36	16.61	11.44	9.47	4.99
10.8V	172.70	136.40	84.48	52.36	32.56	23.54	18.81	16.17	11.11	9.41	4.96

Constant Power Discharge Characteristics Unit: W 25°C

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	2215.40	1734.70	1060.73	662.53	398.20	291.61	231.99	199.65	137.94	113.91	60.61
9.90V	2148.30	1692.90	1039.83	653.18	396.11	289.52	231.00	198.55	136.95	113.91	60.50
10.2V	2060.30	1631.30	1007.38	636.46	391.93	287.43	229.90	197.56	135.85	113.91	60.29
10.5V	1971.20	1575.20	983.40	616.55	386.65	285.34	227.81	195.47	134.86	112.86	59.88
10.8V	1860.10	1492.70	946.77	596.75	376.20	276.98	220.55	190.19	130.68	111.82	59.47

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**