

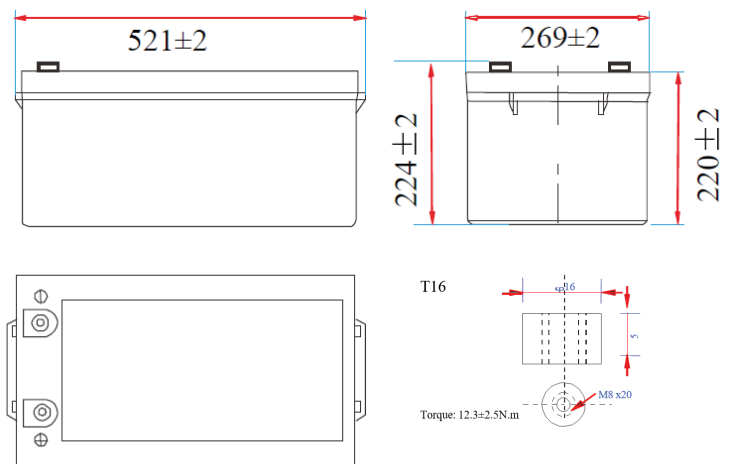
SPECIFICATION / TECHNICAL SHEET

Specifications

Nominal Voltage	12V (6 cells per unit)	
Rated capacity (10 hour rate)	250Ah/10.8V	
Dimensions	Length	521±2mm
	Width	269±2mm
	Height	220±2mm
	Total Height	224±2mm
Approx. Weight	74.50kg±3%	

Characteristics

Capacity (25°C)	10HR(10.8V)	250Ah
	3HR(10.8V)	189Ah
	1HR(10.5V)	140Ah
Terminal type	T16	
Internal resistance (Fully charged, 25°C)	Approx. 2.6mΩ	
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	
Operating temperature range	Discharge	- 15°C - 50°C
	Charge	- 10°C - 50°C
	Storage	- 20°C - 50°C
Float charging voltage(25°C)	13.50 to 13.80V Temperature compensation: -18mV/°C/Block	
Cyclic charging voltage(25°C)	14.50 to 14.70V Temperature compensation: -30mV/°C/Block	
Maximum charging current	75A	
Maximum discharge current	1500A (5 sec.)	
Designed floating life(20°C)	10 years for floating (25°C) Eurobat (20°C): 6-9 years, general purpose.	



Applications

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



SA12V250C VRLA 12V 250AH

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	428	256	158	93.2	67.1	53.6	45.8	39.8	31.5	26.0	13.8
9.90V	418	251	155	92.6	66.7	53.3	45.5	39.6	31.3	25.9	13.7
10.2V	403	243	151	91.8	66.3	52.9	45.2	39.3	31.1	25.8	13.7
10.5V	389	238	147	90.4	65.8	52.5	44.9	39.0	30.9	25.7	13.6
10.8V	368	229	142	88.1	63.8	51.0	43.5	37.8	29.9	25.5	13.5

Constant Power Discharge Characteristics Unit: W 25°C

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	4704	2875	1797	1079	789	630	541	470	374	310	165
9.90V	4591	2818	1770	1073	785	626	538	468	372	309	165
10.2V	4422	2732	1725	1063	779	622	534	464	369	308	164
10.5V	4271	2666	1671	1047	774	618	530	461	367	307	163
10.8V	4045	2568	1617	1021	750	599	515	447	356	304	162

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



SPB National Head Office: 1 Ant Road, Yatala, Brisbane, QLD 4207, Australia
 SPB Melbourne Office: 2/9 Compark Circuit, Mulgrave, VIC, 3170, Australia
 SPB Sydney Office: 1/1 Forge Street, Blacktown, NSW, 2148, Australia
 T 1300 001 772 E info@spb.net.au W spb.net.au