

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.)	
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
PHB on 0400 864 840 or admin@phbatteries.com.au