

Series -Long Life Standby

AGM 12-40 (12V 40AH)

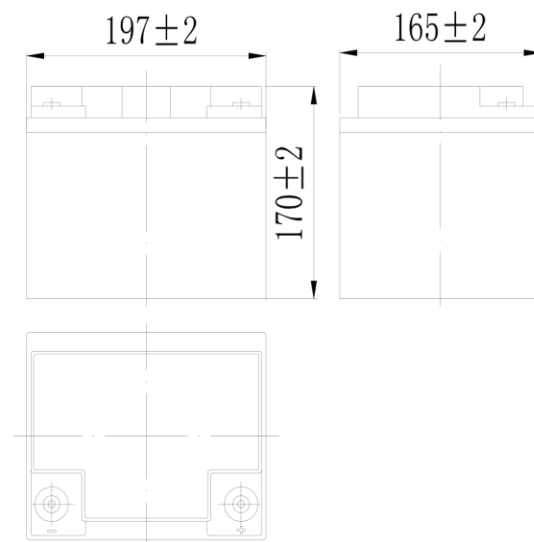
Specification

Nominal Voltage		12 V
Capacity (25°C)	10HR (10. 8V)	40 Ah
	5HR (10. 5V)	35Ah
	1HR (9. 60V)	25Ah
Dimension	Length	197±2mm (7. 76inch)
	Width	165±2mm (6. 50inch)
	Height	170±2mm (6. 69inch)
	Total Height	170±2mm (6. 69inch)
Approx. Weight		12.6kgs (27.78lbs) ±4%
Terminal type		T4/T9
Internal resistance (Fully charged, 25°C)		Approx. 8. 5mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	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	
Cyclic charging voltage (25°C)	14. 50 to 14. 90V	
	Temperature compensation: -30mV/°C	
Maximum charging current		12A
Terminal material		Copper
Maximum discharge current		400A(5 sec.)
Designed floating life (25°C)		7~10 years

- ◆ Absorbent glass mat technology;
- ◆ Recognized by RoHS& CE;
- ◆ ABS container.



Dimensions



Constant Current Discharge (A mperes) at 25 °C (77°F)

F. V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9. 60V	85. 7	66. 7	40. 4	25. 0	14.6	10. 2	8. 36	7. 14	4. 90	4. 07	2. 14
9. 90V	83. 1	65. 1	39. 6	24. 7	14.5	10. 1	8. 31	7. 10	4. 87	4. 06	2. 13
10. 2V	79. 7	62. 7	38. 4	24. 0	14.4	10. 1	8. 26	7. 05	4. 83	4. 05	2. 13
10. 5V	76. 3	60. 5	37. 5	23. 6	14.2	10. 0	8. 20	7. 00	4. 80	4. 03	2. 11
10. 8V	72. 0	57. 3	36. 1	22. 8	13.8	9. 70	7. 95	6. 79	4. 66	4. 00	2. 10

Constant Power Discharge (W atts) at 25 °C (77°F)

F. V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9. 60V	925	732	453	286	169	120	98. 4	84. 4	58. 2	48. 6	25. 7
9. 90V	898	714	444	281	168	119	97. 8	83. 9	57. 8	48. 5	25. 6
10. 2V	861	688	431	274	167	118	97. 1	83. 3	57. 4	48. 4	25. 5
10. 5V	824	665	420	269	164	118	96. 4	82. 7	57. 0	48. 1	25. 4
10. 8V	777	629	405	260	160	114	93. 5	80. 3	55. 3	47. 8	25. 2

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

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