



The **WISE** Choice



SEALED MAINTENANCE FREE VRLA BATTERY EM26VB - 12V26Ah

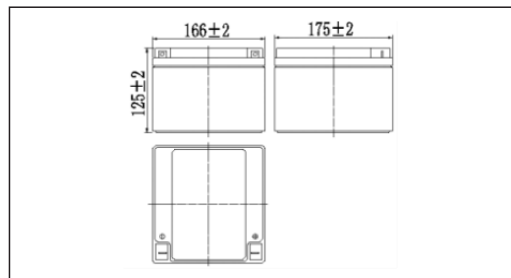
Applications



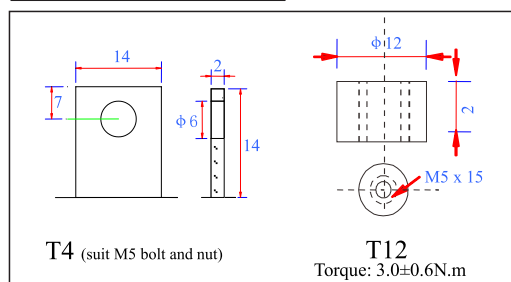
● Specifications

Nominal voltage		12V (6 cells per unit)
Rated capacity (20HR)		26Ah/10.5V
Dimensions	Length	166±2mm (6.54inch)
	Width	175±2mm (6.89inch)
	Height	125±2mm (4.92inch)
	Total height	125±2mm (4.92inch)
Approx. weight		8.80kg (19.40lbs)±4%

● Outer dimensions (mm)



● Terminal Type (mm)



● Characteristics

Capacity (25°C)	20HR (10.5V)	26Ah
	10HR (10.5V)	25.1Ah
	1HR (9.60V)	17Ah
Terminal type		T4/T12
Internal resistance (Fully charged, 25°C)		Approx. 10mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 months	Remaining capacity: 91%
	6 months	Remaining capacity: 82%
	12 months	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)		13.60 to 13.80V Temperature compensation: -18mV/°C/Block
Cyclic charging voltage (25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C/Block
Maximum charging current		8.4A
Maximum discharge current		360A (5 sec.)
Design life	5 years for floating (25°C)	
	Eurobat (20°C): 3-5 years, standard commercial	

Unique Features

- ✓ Longer shelf life
- ✓ No water topping up throughout the life
- ✓ Good cycling performance
- ✓ AGM Technology for efficient Gas Recombination

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: Ampere/Block (at 25°C, 77°F)

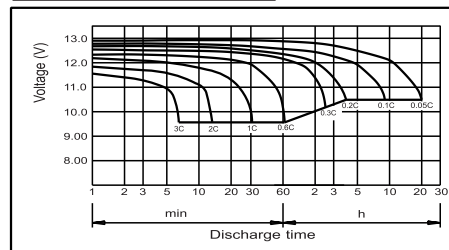
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	@C10	@20h
9.60V	105	66.4	51.9	29.2	18.0	10.0	6.94	5.74	4.88	2.55	1.42
9.90V	102	64.4	50.6	28.6	17.7	9.97	6.90	5.71	4.86	2.54	1.42
10.2V	97.5	61.8	48.7	27.8	17.3	9.88	6.85	5.67	4.82	2.53	1.41
10.5V	93.3	59.1	47.1	27.1	16.9	9.74	6.80	5.63	4.79	2.51	1.40
10.8V	88.0	55.8	44.6	26.1	16.4	9.49	6.60	5.46	4.64	2.46	1.37

Constant power discharge characteristics unit: Watt/Block (at 25°C, 77°F)

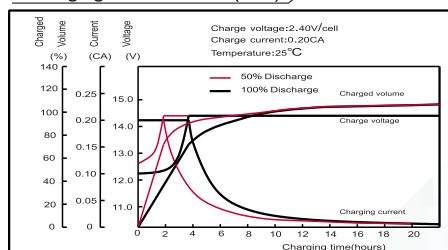
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	@C10	@C20
9.60V	1170	749	591	335	208	117	82.4	68.4	58.3	31.8	17.1
9.90V	1135	727	577	328	205	117	82.0	68.0	58.0	31.7	17.0
10.2V	1088	697	556	318	200	116	81.4	67.5	57.6	31.5	16.9
10.5V	1041	667	537	310	196	114	80.8	67.0	57.2	31.3	16.8
10.8V	983	629	508	299	190	111	78.4	65.0	55.5	30.7	16.5

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

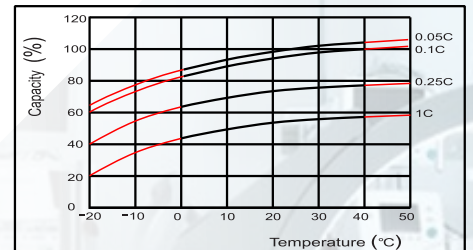
Discharge characteristics(25°C)



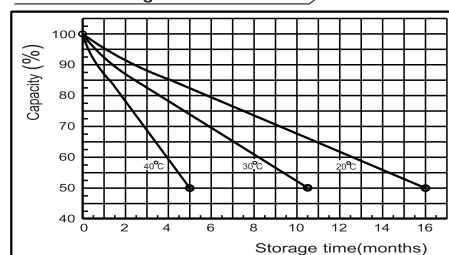
Charging characteristics (25°C)



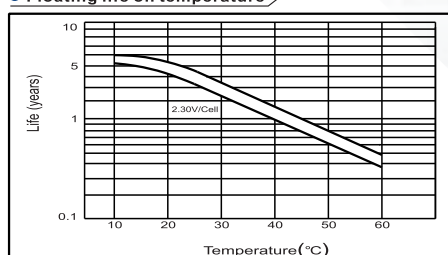
Effect of temperature on capacity



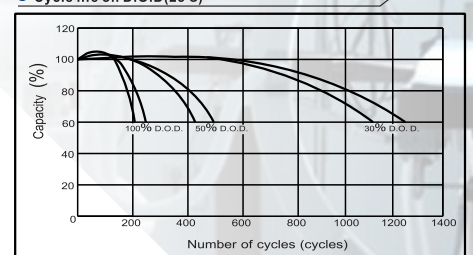
Self-discharge characteristics



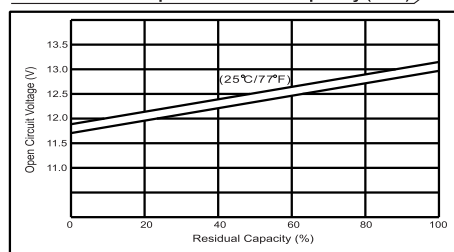
Floating life on temperature



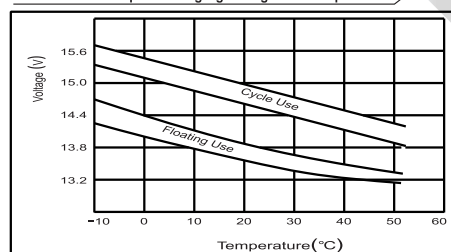
Cycle life on D.O.D(25°C)



The relationship for OCV and Capacity (25°C)



The relationship for Charging voltage and Temperature



Certification

