

ENERGY UNLIMITED

# SEALED MAINTENANCE FREE **VRLA BATTERY** EM5VB - 12V5Ah

Applica

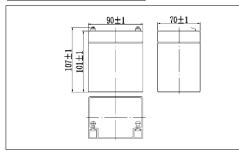


ATM

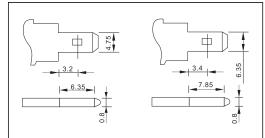
### • Characteristics

	Specifications									
	Specifica									
No	Nomin	al Voltage	12V							
	Rated capaci	ty (20 hour rate)	5Ah							
		Length	90 $\pm$ 1mm(3.54inch)							
	Dimonsions	Width	70 $\pm$ 1mm(2.76inch)							
	Dimensions	Height	101 $\pm$ 1mm(3.98inch)							
	Total Heigh		107 $\pm$ 1mm(4.21inch)							
	Approx	k. Weight	1.65kg(3.64lbs)±4%							

#### • Outer dimensions (mm)



#### • Terminal Type (mm)



		1
Capacity	20HR(10.5V)	5Ah
(25 C)	10HR(10.5V)	4.7Ah
	1HR(9.60V)	3Ah
Term	inal type	T1/T2
	resistance arged,25 C)	Approx.27m Ω
Capacity	<b>40</b> C	102%
affected by	, <b>25</b> C	100%
temperatur	e 0 C	85%
(20HR)	-15 C	65%
	3month	Remaining Capacity:91%
Self-discharg (25 C)	e 6month	Remaining Capacity:82%
(200)	12month	Remaining Capacity:65%
	operating erature	25 C ±3 C(77°F ±5°F)
Operating	Discharge	-15 C~50 C(5°F~122°F)
temperatur	e Charge	-10 C~50 C(14°F~122°F)
range	Storage	-20 C~50 C(-4°F~122°F)
Float chargir	ng voltage(25 C)	13.50 to 13.80V Temperature compensation: -18mV/ C
Cyclic chargi	ng voltage(25 C)	14.50 to 15.00V Temperature compensation: -30mV/ C
Maximum c	harging current	1.5A
Maximum di	scharge current	75A(5 sec.)
Designed flo	pating life(20 C)	5 years
	5 (===)	

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Hospital	Barik ATM	Fetral Pump

# The WISE Choice

# EM5VB - 12V5Ah

# **Unique Features**

- ✓ Longer shelf life
  - Good cycling performance √ AGM Tea
- No water topping up throughout the life
  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

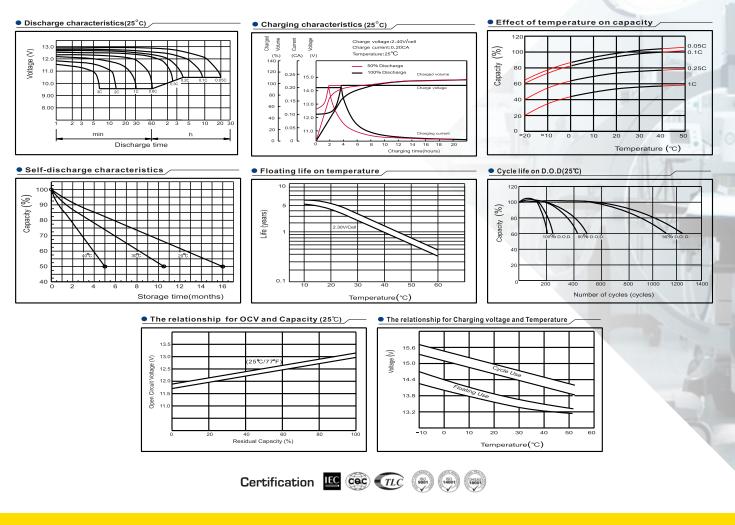
# • Constant Current Discharge Characteristics Unit: A(25 C,77 F)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	@C10	@20h
9.60V	19.1	12.1	9.45	5.33	3.28	1.79	1.24	1.03	0.87	0.47	0.25
9.90V	18.5	11.7	9.22	5.22	3.23	1.78	1.23	1.02	0.87	0.47	0.25
10.2V	17.8	11.3	8.88	5.06	3.14	1.77	1.22	1.01	0.86	0.47	0.25
10.5V	17.0	10.8	8.58	4.94	3.08	1.74	1.22	1.01	0.86	0.47	0.25
10.8V	16.0	10.2	8.13	4.76	2.99	1.69	1.18	0.97	0.83	0.46	0.25

# • Constant Power Discharge Characteristics Unit:W(25 C,77 F)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	@C10	@C20
9.60V	213	136	108	61.0	37.9	21.0	14.7	12.2	10.4	5.68	3.05
9.90V	207	132	105	59.8	37.4	20.8	14.6	12.1	10.4	5.66	3.03
10.2V	198	127	101	58.0	36.4	20.7	14.5	12.1	10.3	5.63	3.02
10.5V	190	121	97.8	56.6	35.7	20.3	14.4	12.0	10.2	5.60	3.00
10.8V	179	115	92.6	54.5	34.6	19.8	14.0	11.6	9.90	5.49	2.94

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



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