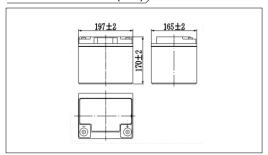


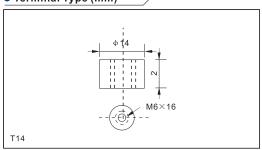
Specifications /

<u> </u>									
Nomin	al Voltage	12V							
Rated capac	ity (10 hour rate)	40Ah							
	Length	197±2mm(7.76inch)							
Dimensions	Width	165±2mm(6.50inch)							
Dimensions	Height	170±2mm6.69inch)							
	Total Height	170±2mm(6.69inch)							
Approx	k. Weight	12.5kg(27.6lbs)±3%							

Outer dimensions (mm)



Terminal Type (mm)



Characteristics /

EM40VB-12V40Ah

Applications

Onaracie	1131103					
Canacity	10HR(10.8V)	40Ah				
Capacity (25 C)	3HR(10.8V)	30Ah				
(===)	1HR(10.5V)	22Ah				
Termi	inal type	T14				
	resistance arged,25 C)	Approx.9m Ω				
Capacity	40 C	102%				
affected by	, 25 C	100%				
temperatur	e 0 C	85%				
(10HR)	-15 C	65%				
	3 months	Remaining Capacity:91%				
Self-discharg (25 C)	e 6 months	Remaining Capacity:82%				
(230)	12 months	Remaining Capacity:65%				
	operating rature	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 charging voltage(25 C)		14.50 to 15.00V Temperature compensation: -30mV/ C				
Maximum cl	narging current	12A				
Maximum di	scharge current	400A(5 sec.)				
Designed flo	pating life(20 C)	10years				

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:A(25 C,77 F)

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	@C10	@C20
9.60V	87.2	67.2	40.2	24.7	14.6	10.5	8.40	7.18	4.94	4.07	2.16
9.90V	84.6	65.6	39.4	24.3	14.5	10.5	8.36	7.14	4.91	4.06	2.15
10.2V	81.1	63.2	38.2	23.7	14.4	10.4	8.30	7.09	4.87	4.05	2.15
10.5V	77.6	61.0	37.3	23.0	14.2	10.3	8.24	7.04	4.84	4.03	2.13
10.8V	73.2	57.8	35.9	22.2	13.8	10.0	7.99	6.83	4.69	4.00	2.12

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

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	@C10	@C20
9.60V	942	738	451	282	169	124	98.8	84.9	58.6	48.6	25.9
9.90V	914	720	442	278	168	123	98.3	84.4	58.3	48.5	25.8
10.2V	876	694	428	271	167	122	97.6	83.8	57.9	48.4	25.8
10.5V	838	670	418	262	164	121	96.9	83.2	57.5	48.1	25.6
10.8V	791	635	403	254	160	118	94.0	80.7	55.8	47.8	25.4

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

