SEBANG GLOBAL BATTERY

ROCKET

* VRLA (Valve Regulated Lead Acid Battery)
ES100-12 (12V, 100AH/20HR)

Applications

Cycle use
Various Portable Equipment / Medical Instruments /
Cameras & Photographic / Equipment /
Portable Digital Instrumants Personal Computers /
Powered Toys / Lighting Equipment
Renewable Energy System(Solar & Wind Power)

Stand by use
Security Alarm System / Fire Alarm System /
Computer Back-up / Emergency Ligting /
UPS Systems / Communication Equipment

Technical Features

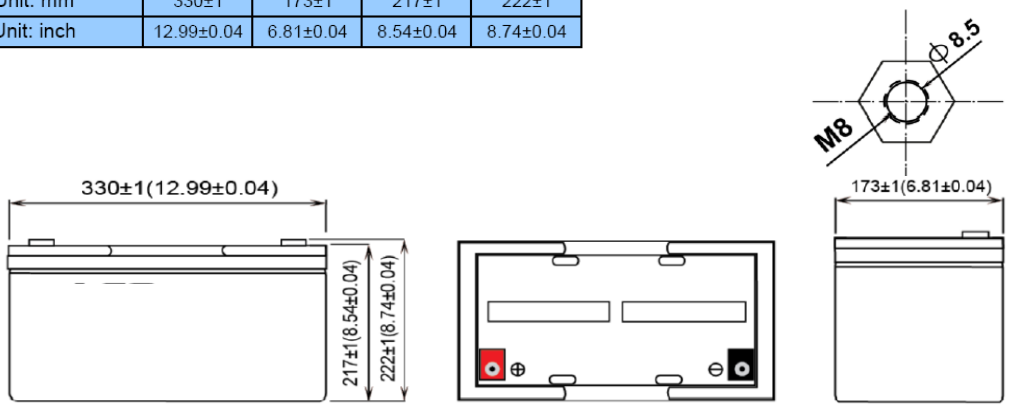
* No-Spill Sealed Construction
* Absorptive Glass Mat System (AGM System)
* Container & Cover : Acid-resistant ABS resin
  Option : UL94-V0 = ABS
* Gas Recombination
* Maintenance-Free Operation
* Low Pressure Venting System
* Heavy-Duty Grids
* Low Self-Discharge Temperature Range
* High Recovery capacity
* Design life 3 ~ 5 years at 25℃

Specification

Cell per unit	6	**Ambient temperature**	
Nominal Voltage (V)	12	Charge	0℃(32℉) to 40℃ (104℉)
Nominal Capacity (Ah)	100Ah @ 20hour rate F.V(1.75/Cell)	Discharge	-15℃(5℉) to 50℃ (122℉)
Weight	Approx29kg	Storage	-15℃(5℉) to 40℃ (104℉)
Internal Resistance (1KHz)	<5.5mΩ	**Max charge Current**	
Max Discharge Current (5s)	950A	**Cycle use :**	Max charge current : 27A
Battery Life :	Stand by :3~5 years		Charge voltage: 14.4V to 15.0V
Terminal Type	NB(F16)/IT(F8)	**Stand by :**	Charge voltage: 13.5V to 13.8V
Container Material	ABS(Option : 94-HB & 94V-0 flame retardant case)		

MH46202

DIMENSIONS	Length	Width	Height	Total Height
Unit: mm	330±1	173±1	217±1	222±1
Unit: inch	12.99±0.04	6.81±0.04	8.54±0.04	8.74±0.04



Constant current discharge characteristics Unit:A(25℃77℉)										
F.V/Time	**5MIN**	**10MIN**	**15MIN**	**30MIN**	**60MIN**	**2HR**	**3HR**	**5HR**	**10HR**	**20HR**
1.60V	283.0	233.0	183.0	116.6	61.8	37.1	28.0	17.7	9.64	5.06
1.67V	274.6	226.7	179.9	109.4	60.5	36.9	27.8	17.5	9.60	5.04
1.70V	268.1	222.0	166.2	107.0	59.3	36.6	27.6	17.2	9.56	5.05
1.75V	253.4	215.0	154.0	100.0	57.4	36.2	27.3	17.0	9.53	5.00
1.80V	232.1	208.0	147.4	98.2	56.3	35.8	27.0	16.5	9.50	4.99

Constant power discharge characteristics Unit:W/CELL(25℃77℉)										
F.V/Time	**5MIN**	**10MIN**	**15MIN**	**30MIN**	**60MIN**	**2HR**	**3HR**	**5HR**	**10HR**	**20HR**
1.60V	490.0	345.0	311.0	188.0	120.0	66.5	48.3	32.3	18.10	8.28
1.67V	492.0	332.0	303.0	175.0	118.0	65.1	48.2	31.9	17.70	8.13
1.70V	484.0	323.0	291.6	168.0	114.0	62.8	46.8	31.5	17.40	7.99
1.75V	456.0	315.0	261.0	162.0	106.0	60.8	45.8	30.7	17.10	7.84
1.80V	417.0	302.0	257.0	161.0	101.0	60.1	45.2	30.3	16.70	7.66