

EV12-100S (12V 100Ah)

Cells Per Unit6Voltage Per Unit12Nominal Capacity $100Ah@10hr$ -rate to $1.80V$ per cell $@25°C$ WeightApprox. 30.0 Kg (Tolerance $\pm 3.0\%$)Length 307 mmWidth 169 mmHeight 210 mmTotal Height 215 mmInternal ResistanceApprox. 5.5 m Ω TerminalT11Layout1Max. Discharge Current $1000A$ (5 sec)Cold Cranking Ampere (CCA) $620A$ Max. Charging Current $30.0A$ C3 $77.4AH$
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C3 77.4AH
Reference Capacity C5 87.5AH C10 100.0AH C20 106.0AH
Float Charging Voltage 13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage 14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Discharge: -20°C~60°C Operating Temp. Range Charge: 0°C~50°C Storage: -20°C~60°C
Nominal Operating Temp. Range 25°C±5°C
Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C.Please charged batteries before using.
Container Material A.B.S. UL94-HB, UL94-V0 Optional.



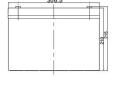
Description and Features

VRLA EV Series is specially designed for frequent discharge in deep cycle applications. EV batteries offer reliable performance in high load situations and have a high cycle durability due to the specially designed active material, strong grids and thick plate construction. The addition of carbon ensures faster full recharging of the battery and longer battery life. This stable and durable battery is completely sealed and maintenance free.

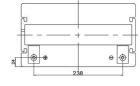
Features

- Absorbent Glass Mat technology
- Long service life 50% more cycles than VRLA AGM
- Faster full recharging quick use of application
- Suitable for (deep) cycle applications

Layout	Terminal	UL certification
306.5 168.5	0 20 (0.787) M8 (0.315)	













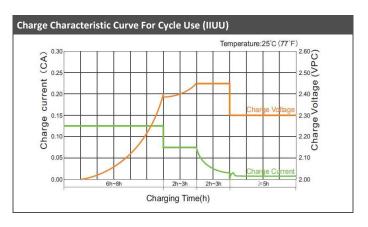
Constant Current Discharge Characteristics: A (25°C)											
F.V/Time	10 Min	15 Min	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.60V	241.1	191.0	111.7	61.7	36.4	28.2	22.2	18.9	12.7	10.5	5.52
1.65V	227.9	182.6	107.2	59.6	35.3	27.4	21.6	18.4	12.5	10.4	5.43
1.70V	209.8	171.0	102.5	57.7	34.1	26.6	21.0	17.9	12.4	10.3	5.36
1.75V	192.0	159.1	98.0	55.5	32.9	25.8	20.5	17.5	12.2	10.1	5.30
1.80V	173.8	146.9	93.6	53.4	31.7	25.0	19.9	17.0	12.0	10.0	5.25
1.85V	142.1	121.9	80.6	47.9	29.1	23.1	18.5	15.9	11.2	9.41	4.98

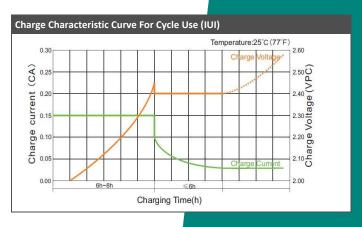
Constant Power Discharge Characteristics: Wpc (25°C)											
F.V/Time	10 Min	15 Min	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.60V	409.9	333.8	202.9	116.0	69.1	53.9	42.6	36.4	24.8	20.7	10.9
1.65V	394.8	323.9	196.8	112.6	67.2	52.5	41.6	35.6	24.6	20.5	10.7
1.70V	370.1	307.9	190.0	109.6	65.3	51.3	40.6	34.8	24.2	20.2	10.6
1.75V	344.9	290.7	183.5	106.3	63.3	50.0	39.7	34.0	23.9	20.0	10.5
1.80V	317.7	272.2	177.1	102.8	61.4	48.6	38.7	33.3	23.6	19.8	10.4
1.85V	264.2	229.1	154.1	92.8	56.5	45.1	36.1	31.1	22.2	18.6	9.87

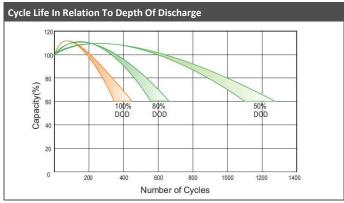
(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C10 should reach 95% after the first cycle and 100% after the third cycle.

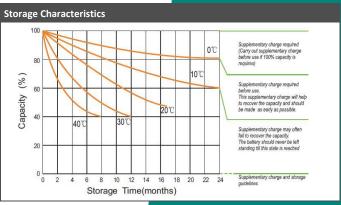


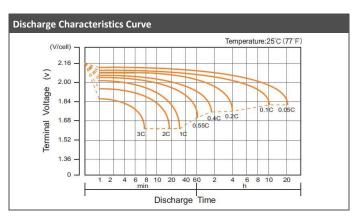
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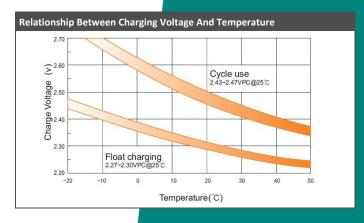


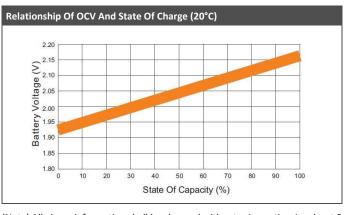


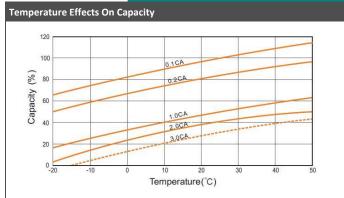












(Note) All above information shall be changed without prior notice, Landport Batteries reserves the right to explain and update the latest information.