

EV12-22 (12V 22Ah)



Specifications	
Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	22Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 6.20 Kg (Tolerance±5.0%)
Dimensions	Length 181 mm Width 77 mm Height 167 mm Total Height 167 mm
Internal Resistance	Approx. $14.0 \text{ m}\Omega$
Terminal	T12
Layout	0
Max. Discharge Current	264A (5 sec)
Cold Cranking Ampere (CCA)	190A
Max. Charging Current	6.6A
Reference Capacity	C3 17.2AH C5 18.9AH C10 20.8AH C20 22.0AH
Float Charging Voltage	13.7 V~13.9 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temp. Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Nominal Operating Temp. Range	25°C±5°C
Self Discharge	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
181	130	MH 64495

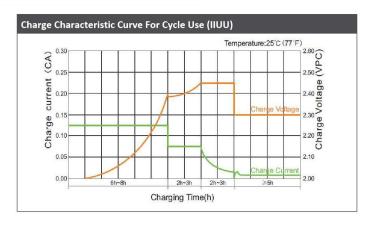
Constant Current Discharge Characteristics: A (25°C)												
F.V/Time	5 Min	10 Min	15 Min	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.60V	91.98	60.30	44.92	25.82	15.16	8.647	6.107	4.775	3.986	2.693	2.228	1.144
1.65V	88.58	58.30	43.57	25.28	14.87	8.500	6.014	4.709	3.936	2.663	2.205	1.134
1.70V	84.15	55.67	41.81	24.56	14.49	8.305	5.890	4.622	3.870	2.623	2.175	1.120
1.75V	78.26	52.16	39.43	23.59	13.97	8.038	5.719	4.502	3.780	2.567	2.134	1.100
1.80V	70.43	47.47	36.24	22.25	13.26	7.669	5.483	4.334	3.653	2.490	2.076	1.074
1.85V	59.87	41.06	31.84	20.36	12.24	7.140	5.143	4.092	3.470	2.378	1.992	1.035

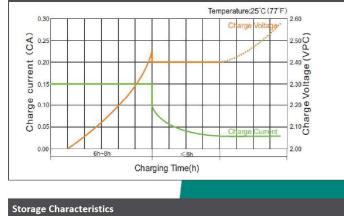
Constant P	Constant Power Discharge Characteristics: Wpc (25°C)											
F.V/Time	5 Min	10 Min	15 Min	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.60V	156.0	102.5	78.52	46.90	28.34	16.39	11.66	9.17	7.68	5.26	4.38	2.25
1.65V	154.2	101.7	77.77	46.60	28.10	16.23	11.56	9.09	7.63	5.22	4.34	2.24
1.70V	148.1	98.23	75.27	45.53	27.48	15.90	11.35	8.94	7.51	5.14	4.29	2.21
1.75V	140.2	93.70	72.04	44.18	26.63	15.46	11.06	8.74	7.36	5.05	4.21	2.17
1.80V	128.4	86.75	67.14	42.09	25.39	14.83	10.65	8.45	7.14	4.91	4.10	2.13
1.85V	111.1	76.37	59.82	38.89	23.61	13.88	10.03	8.00	6.81	4.69	3.94	2.05

(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.

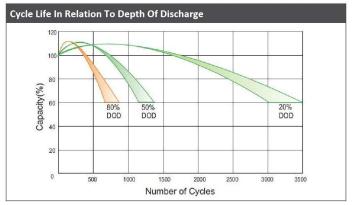


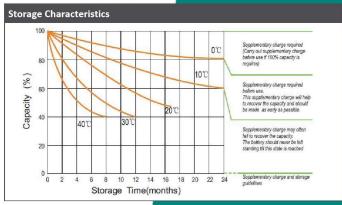
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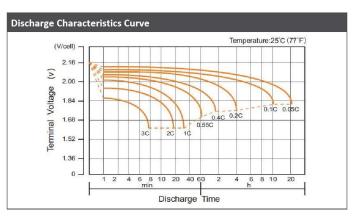


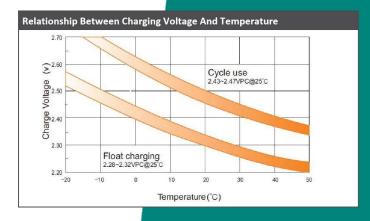


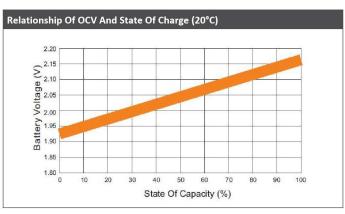
Charge Characteristic Curve For Cycle Use (IUI)

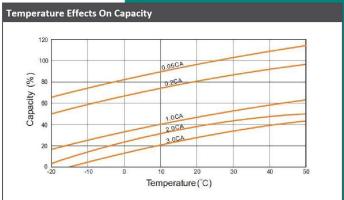












(Note) All above information shall be changed without prior notice, Landport Batteries reserves the right to explain and update the latest information.