

# EV12-240 (12V 240Ah)



Since 1993

Item Code: VRLA EV12240 T11  
 EAN: 8717101003503

## Specifications

Nominal Voltage	12		
Approx. Weight	65.00 Kg (143.30 lbs)		
Container Material	ABS		
Rated Capacity (25 °C)	254.00 Ah	20hr, 12.60A, 1.80V/cell	
	<b>240.00 Ah</b>	<b>10hr, 24.00A, 1.80V/cell</b>	
	209.50 Ah	5hr, 41.90A, 1.75V/cell	
	186.00 Ah	3hr, 62.00A, 1.75V/cell	
	148.10 Ah	1hr, 148.10A, 1.60V/cell	
Max Discharge Current	72A (5s)		
Internal Resistance	Approx. 3.0m Ω		
Cold Cranking Ampere (CCA)	840A		
Maximum Charging Current	72.00A		
Operating Temp. Range	Discharge:	-20 °C ~ 60 °C	-4 °F ~ 140 °F
	Charge:	0 °C ~ 50 °C	32 °F ~ 122 °F
	Storage:	-20 °C ~ 60 °C	-4 °F ~ 140 °F
Nominal operating temp. Range	25±5°C (77±9°F)		
Effect of Temp. to Capacity	40 °C	104 °C	103%
	25 °C	77 °C	100%
	0 °C	32 °C	86%
Cycle Use	14.6 V~14.8 V @ 25°C		
	Temperature Compensation: -4mV/°C/Cell		
Standby Use	13.6 V~13.8 V @ 25°C		
	Temperature Compensation: -3mV/°C/Cell		
Self-Discharge	Batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.		



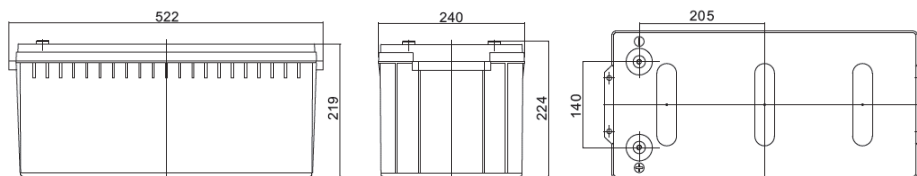
## Certificates / Standards

- UL Certified MH64495
- CE Certified
- Manufactured in certified production facilities ISO9001/ ISO14001/ OHSAS18001



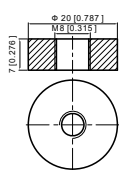
## Dimensions

### Layout



Length	522 mm
Width	240 mm
Container Height	219 mm
Total Height	224 mm

### Terminal



Terminal	T11
Terminal Torque	10 ~ 12 Nm
Layout	4

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## Constant Current Discharge Characteristics: Amperes (25 ° C)

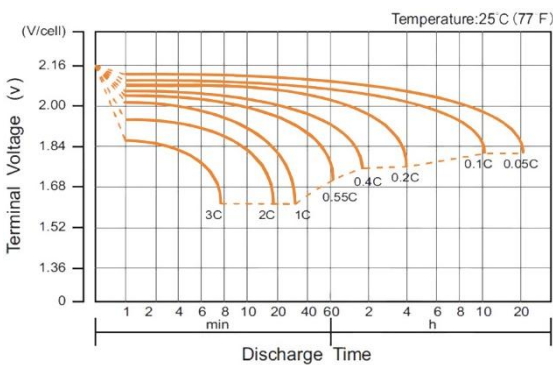
F.V / Time	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
1.85V	278.0	191.6	115.0	69.8	55.5	44.3	38.1	27.0	22.6	12.0
1.80V	335.0	222.5	128.2	76.2	60.1	47.7	40.8	28.7	24.0	12.6
1.75V	362.8	232.8	133.3	79.0	62.0	49.1	41.9	29.2	24.3	12.7
1.70V	389.9	243.5	138.4	81.9	63.9	50.4	43.0	29.7	24.6	12.9
1.65V	416.3	254.8	143.0	84.7	65.7	51.8	44.1	30.1	25.0	13.0
1.60V	435.4	265.4	148.1	87.5	67.8	53.3	45.3	30.5	25.3	13.2

## Constant Power Discharge Characteristics: Watts/ cell (25 ° C)

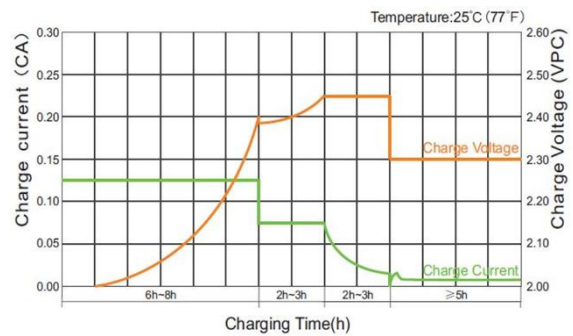
F.V / Time	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
1.85V	522.3	366.1	222.7	135.7	108.3	86.7	74.7	53.3	44.7	23.7
1.80V	620.6	420.9	246.7	147.3	116.7	93.0	79.8	56.6	47.4	24.9
1.75V	662.8	435.9	255.1	152.0	119.9	95.4	81.7	57.5	48.0	25.1
1.70V	702.0	451.5	263.2	156.8	123.1	97.5	83.5	58.2	48.6	25.4
1.65V	738.5	467.6	270.3	161.2	126.0	99.8	85.4	58.9	49.2	25.7
1.60V	761.2	482.0	278.3	165.7	129.4	102.2	87.4	59.5	49.8	26.1

(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 C20 should reach 95% after the first cycle and 100% after the third cycle.

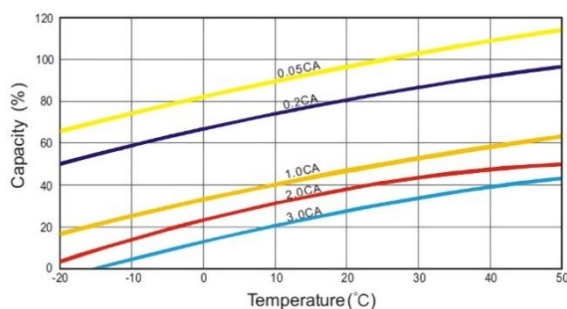
### Discharge Characteristic



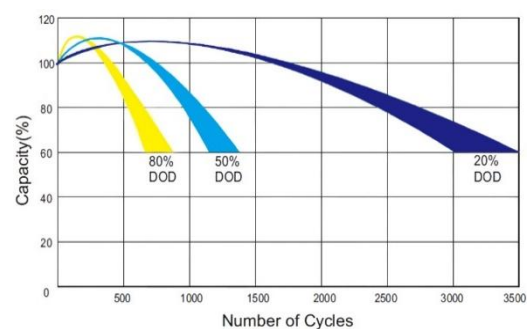
### Charging Characteristics (Cycle Use)



### Effects of Temperature on Capacity



### Cycle-life in Relation to Depth of Discharge



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