



Physical Specifications

Brand	Virtec
Weight	7.4 kg
Length	167±2mm
Width	176±2mm
Height	124±2mm
Technology	AGM
Warranty	1 Year
Terminals	



12V 26Ah virtec Battery VR12260

Specifications

Model	VR12260	
Normal Voltage	12 Volts(6cells in series)	
Normal Capacity (C20)	26 Ah(C ₂₀ 1.75V/cell)	
Terminal Type	NB	
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	UL94:VO
Rated Capacity	26.0 AH/1.30A	(20hr, 1.80V/cell, 25°C / 77°F)
	24.2 AH/2.43A	(10hr, 1.80V/cell, 25°C / 77°F)
	22.2AH/4.44A	(5hr, 1.75V/cell, 25°C / 77°F)
	19.9AH/6.65A	(3hr, 1.75V/cell, 25°C / 77°F)
	16.4AH/16.4A	(1hr, 1.60V/cell, 25°C / 77°F)
Max Discharge Current	390A (5s)	
Internal Resistance	Approx14mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -15 ~ 50°C (5 ~ 122°F)
		Charge: 0 ~ 40°C (5 ~ 104°F)
		Storage: -15 ~ 50°C (5 ~ 104°F)
	Nominal Operating Temp.Range	25 ± 3°C (77 ± 5°F)
	Cycle Use	Initial Charging Current less than 7.8A.Voltage
	Standby Use	No limit on Initial Charging Current Voltage
	Capacity affected by Temperature	40°C (104°F) 103%
25°C (77°F) 100%		
0°C (32°F) 86%		
Design Floating Life at 20°C	3-5 Years	
Self Discharge	Virtec batteries may be stored for up to 6 months at 25°C(°77F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

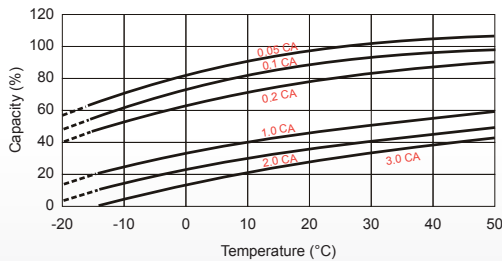
Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	59.3	44.8	37.0	31.3	23.5	17.3	13.9	8.41	6.27	5.04	4.24	3.66	2.87	2.38	1.28
1.80V/cell	70.3	50.1	40.3	33.7	25.0	18.2	14.5	8.74	6.48	5.19	4.35	3.75	2.94	2.43	1.30
1.75V/cell	79.5	54.1	43.1	35.6	26.3	19.7	15.1	9.00	6.65	5.31	4.44	3.82	2.99	2.46	1.33
1.70V/cell	87.6	58.4	45.5	37.4	27.4	20.3	15.6	9.23	6.79	5.41	4.52	3.88	3.03	2.50	1.34
1.65V/cell	94.5	61.9	47.7	38.9	28.3	20.8	16.1	9.43	6.92	5.50	4.58	3.93	3.07	2.52	1.35
1.60V/cell	100.6	64.9	49.6	40.2	29.1	20.8	16.4	9.60	7.02	5.57	4.64	3.97	3.10	2.55	1.36

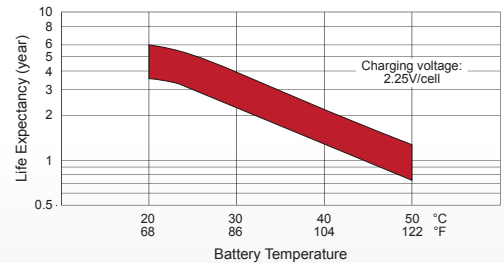
Constant Power Discharge (Watts) at 25°C (77°F)

F.V/Time	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	112.3	85.7	71.4	61.0	46.1	34.0	27.5	16.7	12.5	10.1	8.52	7.38	5.81	4.81	2.61
1.80V/cell	132.1	95.2	77.3	65.2	48.8	35.7	28.7	17.3	12.9	10.4	8.71	7.53	5.92	4.89	2.63
1.75V/cell	148.1	102.9	82.2	68.2	51.0	37.1	29.6	17.8	13.2	10.6	8.87	7.65	6.00	4.89	2.67
1.70V/cell	161.6	109.4	86.3	71.7	53.0	38.4	30.5	18.2	13.4	10.7	8.99	7.75	6.07	4.96	2.69
1.65V/cell	172.9	115.1	89.9	74.3	54.6	39.4	31.4	18.5	13.7	10.9	9.10	7.83	6.13	5.05	2.71
1.60V/cell	182.3	119.8	92.9	76.5	56.0	40.2	32.0	18.8	13.8	11.0	9.18	7.89	6.17	5.08	2.73

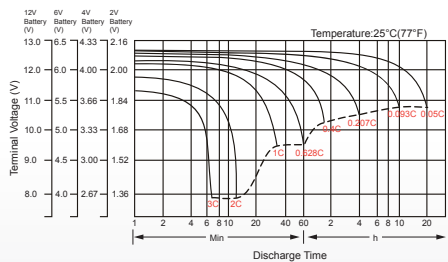
Temperature Effects in Relation to Battery Capacity



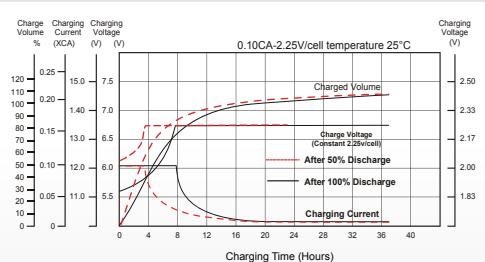
Effect of Temperature on Long Term Float Life



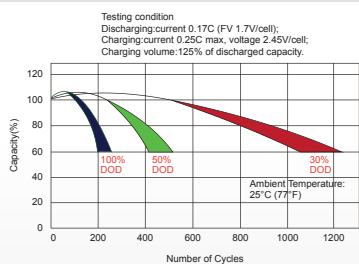
Discharge Characteristics



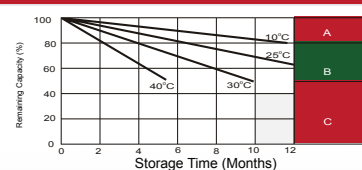
Float Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



- A** No supplementary required (Carryout supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
 1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.25V/cell.
 3. Charged for 4-10 hours at limited current 0.05 CA.
- C** Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached.