

# VRLA Sealed Maintenance Free Carbon Battery

BATTERY MODEL	NOMINAL VOLTAGE (v)	RATED CAPACITY		DIMENSIONS				WEIGHT (approx.) (kg)	TERMINAL TYPE
		25°C 10HR 1.80V/CELL	77°F (AH) 1HR 1.60V/CELL	L (±1) mm/inch	W (±1) mm/inch	H (±2) mm/inch	TH (±2) mm/inch		
VT1240	12V	40AH	26	197/7.76	166/6.54	175/6.89	175/6.89	15.8	BULTNUT
VT1265	12V	65AH	42.3	350/13.78	166/6.54	174/6.85	174/6.85	22.8	BULTNUT
VT1270	12V	70AH	45.5	350/13.78	168/6.54	174/6.85	174/6.85	22.8	BULTNUT
VT1280	12V	80AH	52	332/13.07	174/6.85	214/8.43	224/9.41	30	BULTNUT
VT1290	12V	90AH	58.5	332/13.07	174/6.85	214/8.43	224/9.41	31	BULTNUT
VT12100	12V	100AH	65	332/13.07	174/6.85	214/8.43	224/9.41	33	BULTNUT
VT12120	12V	120AH	78	332/13.07	174/6.85	214/8.43	224/9.41	34	BULTNUT
VT12150	12V	150AH	97.5	513/20.19	250/9.84	210/8.27	228/9.57	63	BULTNUT
VT12200	12V	200AH	130	513/20.19	250/9.84	210/8.27	228/9.57	69	BULTNUT

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VT2200	2V	200AH	130	107/4.21	172/6.77	328/12.91	350/13.78	33
VT2250	2V	250AH	162.5	151/5.94	172/6.77	328/12.91	346/14.78	40
VT2300	2V	300AH	195	151/5.94	172/6.77	328/12.91	346/14.78	47.8
VT2400	2V	400AH	260	211/8.31	174/6.85	328/12.91	346/14.78	63
VT2500	2V	500AH	325	241/9.49	174/6.85	328/12.91	346/14.78	78
VT2600	2V	600AH	390	241/9.49	174/6.85	328/12.91	346/14.78	88
VT2700	2V	700AH	455	409/16.10	174/6.85	328/12.91	361/14.78	102
VT2800	2V	800AH	520	409/16.10	174/6.85	328/12.91	361/14.78	127
VT2900	2V	900AH	585	475/18.70	175/6.89	328/12.91	362/14.78	142
VT21000	2V	1000AH	585	475/18.70	175/6.89	328/12.91	362/14.78	159

# VRLA Sealed Maintenance Free Carbon Battery

**UKB Co.,Ltd.**  
Unikor Battery co., Ltd.

## Carbon-Enhanced VRLA Batteries

Adding carbon to a VRLA battery improves its performance and cycle lifetime compared to conventional VRLA technology, which cycle at a high electrical current while remaining in a partially state of charge operation (PSoC), Improve charge acceptance ability and Reduce the negative plate sulfation.

### Product Features

- Super long cycle lifetime.
- Excellent charge acceptance ability.
- High-low temperature performance good
- Minimal self-discharge
- Reduce sulfation in the negative plate in PSoC conditions
- Improved charge acceptance
- High-performance energy storage solution

### Technical Features

- Rated voltage: 2V and 12V series
- Range of C10 capacity: 12V - 31Ah to 200Ah, 2V - 200Ah to 2000Ah
- Self-discharge: ≤2% per month @25°C
- Life Expectancy @25°C: 50% DOD 2300 / 80% DOD 1200 / 100% DOD 650 cycles
- Recommended equalizing charge voltage: 2.33V per cell @25°C
- Max charge current limitation: 0.25C10 at PSoC
- Operation temperature: -20 to 55°C

### Application

- Solar energy system
- Wind power energy system
- Energy storage system (ESS)
- Solar telecom network system
- Smart grid power system
- DIN 43539-T5:1984
- KS C 8518

### Technical Standards

- IEC 60896-21 / 22: 2004
- IEC 61427-2005

