



**460 AH Capacity at 100hr rate 6VDC**

## BATTERY CARE

- Active users charge daily; occasional users charge battery before any outing, after active use or every 90 days if no use.
- Only use with a specified charger. Only use appropriate charger to charge AGM vs GEL batteries as charging rates differ.
- Never use an automotive or wet type charger on an AGM/GEL battery.
- Top Charge your battery frequently and/or leave on a charger/maintainer.
- Charge the batteries at least once every six months.

## STORAGE

- Batteries should always be stored fully charged in a cool and dry place to maintain maximum service life.
- Depending on storage temperatures, batteries hold their charge for 3 to 9 months until recharge is necessary. Above 30C (86F), recharge at 9 months. Above 40C (104F), recharge at 3 months. Do not store above 40C (104F).
- If a battery is stored for 9 months or longer without being charged, its service life may be shortened.
- Never store batteries in a sealed environment or incorporate into a sealed structure/enclosure.

## WARRANTY

- 1 Year Warranty (from date of purchase)



## Bronco™ AGM 460Ah 6V Battery BRN-1601



### Easy Transporting

non-spillable and suitable for shipping by Commercial Air Cargo and land with no restrictions.



### Built for Canadian Weather

Built to sustain our harsh Canadian winters, they will operate in -40C temperatures.



### Store or Charge in Any Position

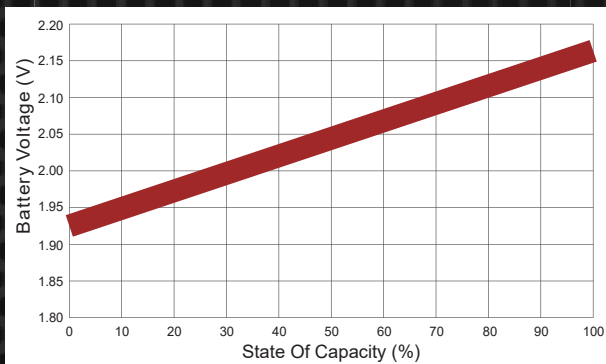
can be stored or discharged in any position thanks to its spill-proof construction but should be charged in the upright position.



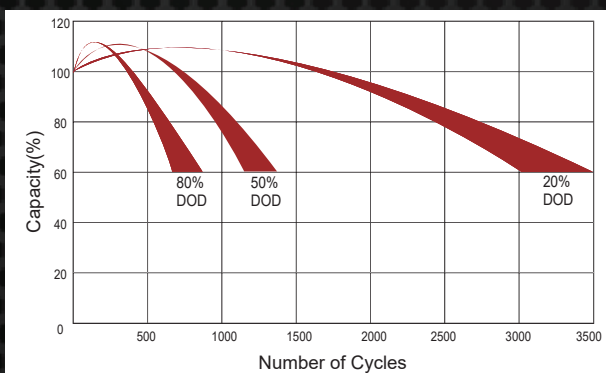
### Accessories Included

Each battery includes free terminal covers, a handle and is completely boxed to ensure no hardware is lost during transport.

## RELATIONSHIP OF OCV AND STATE OF CHARGE (20C)



## CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE

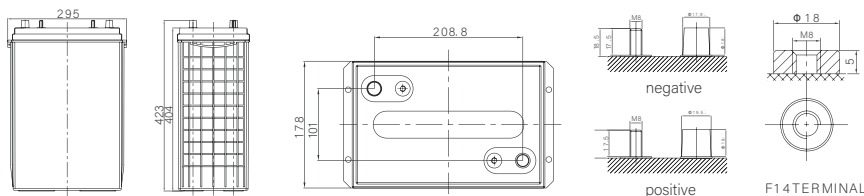


## SPECIFICATIONS

Cells Per Unit	3
Voltage Per Unit	6
Capacity	400Ah @ 20hr- rate to 1.75V per cell @ 25°C
Weight	Approx. 57.0 Kg (Tolerance $\pm$ 1.5%)
Internal Resistance	Approx. 1.1 m $\Omega$
Terminal	F22(M8) / F14(M8)
Max. Discharge Current	4000A (5 sec)
Cold Cranking Ampere(CCA)	800 A
Maximum Charging Current	120 A
Reference Capacity	C3 306.6AH C5 351.5AH C10 380.0AH C20 400.0AH
Float Charging Voltage	6.80 V~6.90 V @ 25°C Temperature Compensation: -3mV/ °C/ Cell
Cycle Use Voltage	7.30 V~7.40 V @ 25°C Temperature Compensation: -4mV/ °C / Cell
Operating Temperature Range	Discharge: -20 °C ~ 60 °C Charge: 0 °C ~ 50 °C Storage: -20 °C ~ 60 °C
Normal Operating Temperature Range	25 °C $\pm$ 5°C
Self Discharge	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.

## DIMENSIONS

Length	295 $\pm$ 2mm (11.6 inches)
Width	178 $\pm$ 2mm (7.01 inches)
Height	404 $\pm$ 2mm (15.9 inches)
Total Height	423 $\pm$ 2mm (16.7 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m



## CONSTANT CURRENT DISCHARGE CHARACTERISTICS: A (25°C)

F.V./Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	376.8	227.6	139.0	109.2	86.8	74.2	49.2	40.8	20.8
1.65V	368.9	223.3	136.7	107.5	85.6	73.3	48.6	40.4	20.6
1.70V	358.4	217.6	133.5	105.3	84.0	72.0	47.9	39.8	20.3
1.75V	344.2	209.8	129.3	102.2	81.8	70.3	46.9	39.1	20.0
1.80V	324.7	199.1	123.3	98.0	78.8	68.0	45.5	38.0	19.5
1.85V	297.1	183.9	114.8	91.9	74.4	64.6	43.4	36.5	18.8

## CONSTANT POWER DISCHARGE CHARACTERISTICS : WPC (25°C)

F.V./Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	684	426	264	209	167	143	96.0	80.2	40.9
1.65V	680	422	261	207	165	142	95.2	79.5	40.6
1.70V	664	413	256	203	162	140	93.9	78.5	40.2
1.75V	645	400	249	198	159	137	92.1	77.1	39.5
1.80V	614	381	238	190	154	133	89.5	75.1	38.6
1.85V	568	355	223	179	145	127	85.7	72.2	37.3

## CERTIFICATIONS



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**CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.**  
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