Stark Energy Batteries // SRK-533

Canada Tough – 365 Days a Year

Nominal Capacity	**533 Ah**
Voltage	**6 Volt**
Electrolyte	**AGM**
Weight	**57 Kg / 126 Lbs**
Terminal Type	**F14 (M8) / F22 (M8)**
Warranty	**3 Years**

STARK ENERGY BENEFITS:

- Sealed lead acid battery classified as non-hazardous material per IMDG
- Can ship via Purolator or DHL and approved for air transport by IATA
- Individually boxed for safe transport right to your work site
- Every battery is equipped with lifting handles
- Hardware, and terminal covers included

Stark Energy AGM batteries are built to power equipment 365 days a year. Unlike most AGM standby batteries, Stark Energy comes from a high cycling lineage. Designed specifically for solar and EV applications, they can withstand repeated cycles of over 300 at 100% discharge and many times that at shallower cycle depth.

The advanced AGM design and spill-proof construction allow for multiple operating positions (except upside down). They can also operate at -20C. Best of all, these batteries are maintenance-free. Over 20,000 Stark batteries are reliably powering equipment all over Canada – don't settle for anything else.

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PERFORMANCE SPECIFICATIONS

Nominal Voltage	6 Volts	
Nominal Capacity 1 Amp rate 100-hr. 20-hr. 10-hr.	25°C 533 Ah 460 Ah 424 Ah 400 Ah	
Internal Resistance (approx.)	1.1mΩ	
Resting Discharge Rate (@ 20 °C)		
3 Months 88%	6 Months 77%	12 Months 57%
Charge Method	(Constant Voltage)	
Cycle Use (Repeating Use) Cold Crank Amps Control Voltage	 800 CCA 7.3 - 7.4 V	
Float Use (Control Voltage)	6.8 - 6.9 V	
AGM Operational Temperature Discharge	 -20°C to 60°C	
AGM Storage Temperature	-20°C to 60°C	

CAPACITY FACTORS WITH DIFFERENT TEMPERATURES (20 HOUR RATE)

40°C	25°C	0°C	-20°C
107%	100%	76%	46%

BATTERY CARE & STORAGE

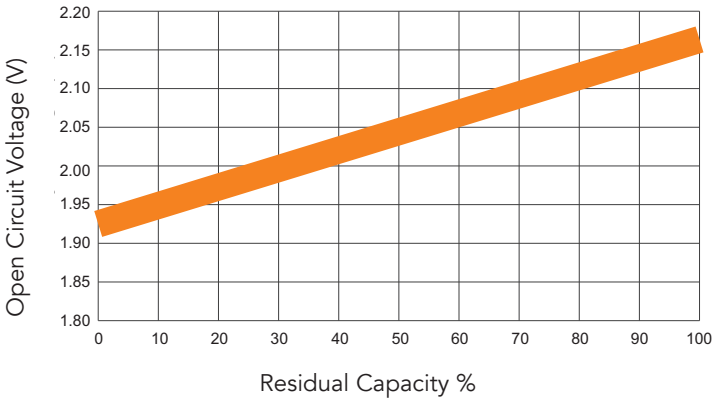
CARE:

- 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 batteries as charging rates differ.
- Never use an automotive or wet type charger on an AGM battery
- Top Charge your battery frequently and/or leave on a charger/ maintainer.

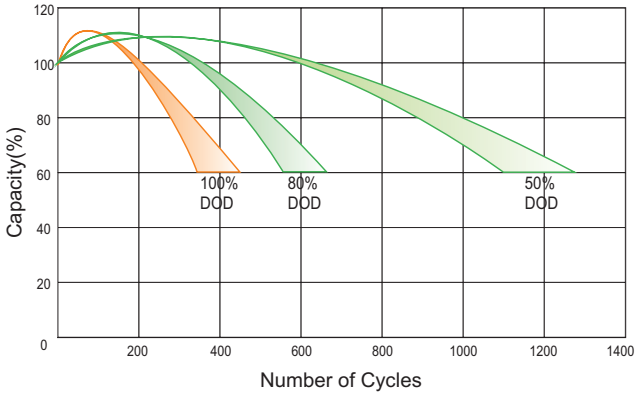
STORAGE:

- 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 30°C (86°F), recharge at 9 months. Above 40°C (104°F), recharge at 3 months. Do not store above 40°C (104°F)
- 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 without adequate ventilation

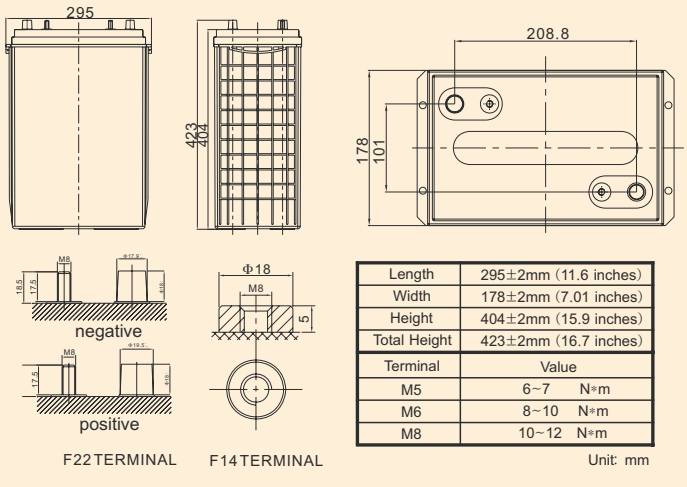
OPEN CIRCUIT VOLTAGE VS. RESIDUAL CAPACITY



LIFE CHARACTERISTICS OF CYCLE USE



DIMENSIONS



Length	295±2mm (11.6 inches)
Width	178±2mm (7.01 inches)
Height	404±2mm (15.9 inches)
Total Height	423±2mm (16.7 inches)

Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

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