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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Canada Tough – 365 Days a Year

EV6-400

PERFORMANCE SPECIFICATIONS

Nominal Voltage	6 Volts
Nominal Capacity	25°C
1 Amp rate	533 Ah
100-hr.	460 Ah
20-hr.	424 Ah
10-hr.	400 Ah
Internal Resistance (approx.)	1.1mΩ
Resting Discharge Rate (@ 20 °C)	

3 Months	6 Months	12 Months
88%	77%	57%

Charge Method	(Constant Voltage)
Cycle Use (Repeating Use)	
Cold Crank Amps	800 CCA
Control Voltage	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

Reference Capacity C10 400.0AH

CAPACITY FACTORS WITH DIFFERENT TEMPERATURES (20 HOUR RATE)

40°C	25°C	0°C	-20°C
107%	100%	76%	46%

BATTERY CARE & STORAGE

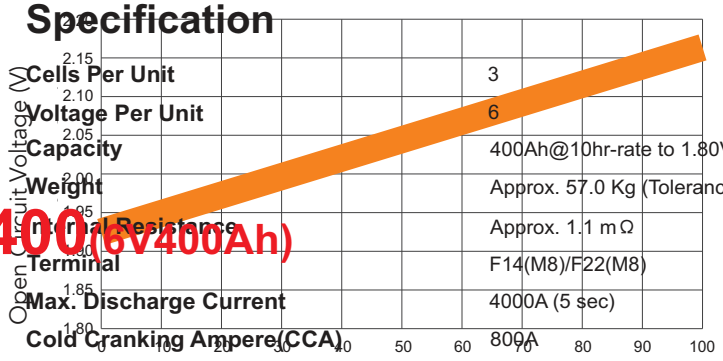
CARE:

- 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



Specification

Cells Per Unit	3
Voltage Per Unit	6
Capacity	400Ah@10hr-rate to 1.80V per ce
Weight	Approx. 57.0 Kg (Tolerance±3.0%
Internal Resistance	Approx. 1.1 mΩ
Terminal	F14(M8)/F22(M8)
Max. Discharge Current	4000A (5 sec)
Cold Cranking Ampere(CCA)	800A
Maxi. Charging Current	120.0A

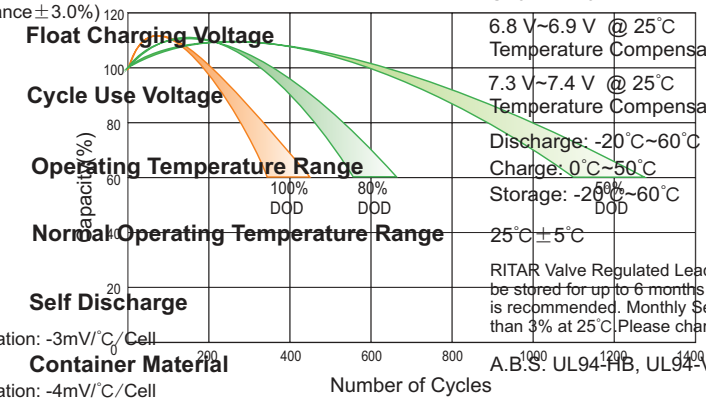
-400 (6V400Ah)

1.80V per cell @25°C

erance±3.0%)

Reference Capacity
C3 309.9AH
C5 349.5AH
C10 400.0AH
C20 424.0AH

LIFE CHARACTERISTICS OF CYCLE USE



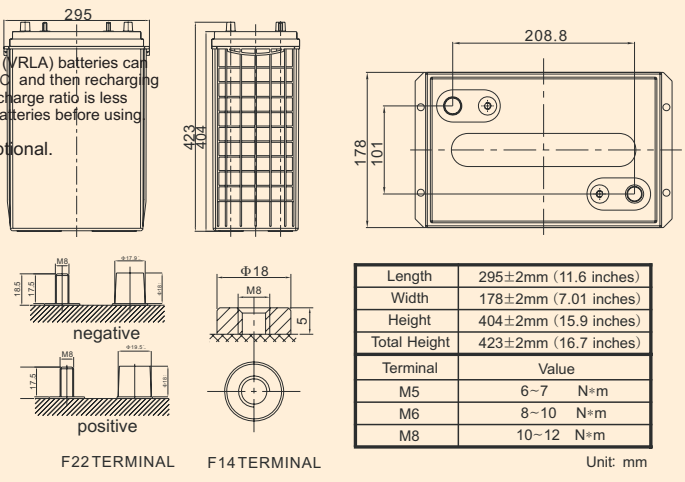
Float Charging Voltage	6.8 V~6.9 V @ 25°C Temperature Compensation: -3mV
Cycle Use Voltage	7.3 V~7.4 V @ 25°C Temperature Compensation: -4mV
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	RITAR Valve Regulated Lead Acid (VRL be stored for up to 6 months at 25°C an is recommended. Monthly Self-discharg than 3% at 25°C. Please charged batteri
Container Material	A.B.S. UL94-HB, UL94-V0 Optiona

nsation: -3mV/°C/Cell

nsation: -4mV/°C/Cell

°C

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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