









# Stark Energy Batteries // SRK-125

Canada Tough – 365 Days a Year

	Nominal Capacity
	125 Ah
	Voltage
	12V
	Electrolyte
	AGM
	Weight
	66lb
	Terminal Type
	Internal Thread
	Warranty
	1 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
- Internal threaded posts, 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 up to 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 -40C. 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	12 Volts		
Nominal Capacity	25°C		
1 Amp rate	125 Ah		
100-hr.	118 Ah		
20-hr.	105 Ah		
10-hr.	100 Ah		
Internal Resistance (approx.)	5mΩ		
Resting Discharge Rate	31.58 V		
3 Months	6 Months	12 Months	
91%	82%	64%	
Charge Method	(Constant Voltage)		
Cycle Use (Repeating Use)			
Initial Current	27 A or similar		
Control Voltage	14.6 - 14.8		
Float Use (Control Voltage)	13.6 - 13.8		
AGM Operational Temperature			
Discharge	-40°C to 60°C		
	-40°C to 50°C		
AGM Storage Temperature	-40°C to 45°C		

## CAPACITY FACTORS WITH DIFFERENT TEMPERATURES (20 HOUR RATE)

40°C	25°C	0°C	-20°C
102%	100%	85%	65%

## BATTERY CARE & STORAGE

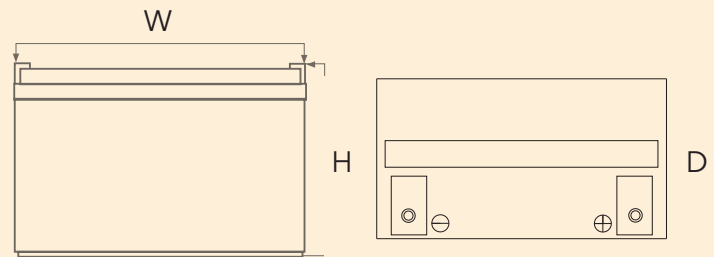
### CARE:

- 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:

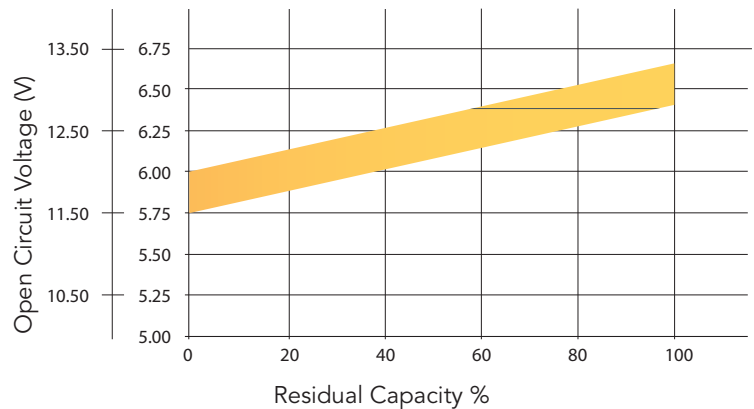
- Batteries should always be stored fully charged in a cool and dry place to maintain maximum service life
- Depending on storage temperatures, batteries hold their charge for 3 to 9 months until recharge is necessary. Above 300C (860F), recharge at 9 months. Above 400C (1040F), recharge at 3 months. Do not store above 400C (1040F)
- 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

## DIMENSIONS

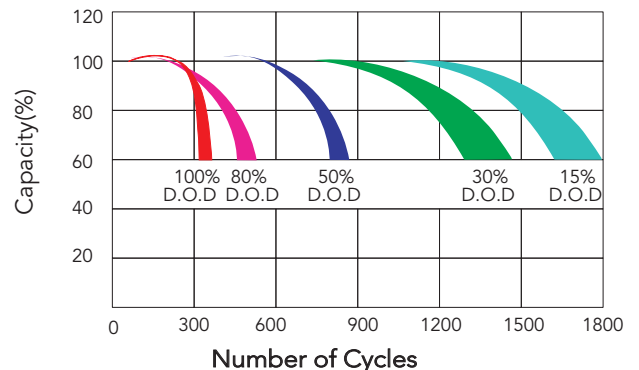


Dimensions (W x H x D)	12.9 x 8.7 x 6.8" (32.8 x 22.2 x 17.2cm)
Weight	66 lbs (30 kg)

## OPEN CIRCUIT VOLTAGE VS. RESIDUAL CAPACITY



## LIFE CHARACTERISTICS OF CYCLE USE



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