



STARTSENTRY

24V, 123 kJ ULTRACAPACITOR FOR BUS AND COACH



THE ULTRACAPACITOR THAT WON'T LEAVE YOU IN THE COLD.

You can rely on Vanner's StartSentry Ultracapacitor for fast, reliable starting in cold and hot climates. Easy to install and low maintenance, the StartSentry works in parallel to effectively take over all heavy-duty engine cranking on every start. Unlike the chemical reaction within lead-acid batteries, the StartSentry uses an electrostatic field to store and deliver a quick boost of power – even if the batteries are dead from the cold or parasitic drain. This gives the driver the confidence to shut down and restart their bus throughout the day, which greatly reduces idle emissions, fuel consumption, starter stress, and the need for costly jump-start service calls. StartSentry is designed to ensure maintenance-free performance over the life of the vehicle.

Don't get stranded with a dead battery again. Call us at 800-AC POWER (227-6937), or visit vanner.com to learn more.

STARTSENTRY BENEFITS

- ELIMINATES COSTLY DEAD BATTERY JUMP-STARTS
- SAVES FUEL AND REDUCES EMISSIONS
- SELF-CONTAINED AND EASY TO INSTALL
- BUILT-IN OVERCHARGE CIRCUIT PROTECTION
- WORKS IN EXTREME TEMPERATURES
- EXTENDS BATTERY AND STARTER LIFE
- 24 V – 123 KJ OF DEAD BATTERY STARTING POWER
- IDEAL FOR BUSES, EMERGENCY, AND OFF-ROAD VEHICLES



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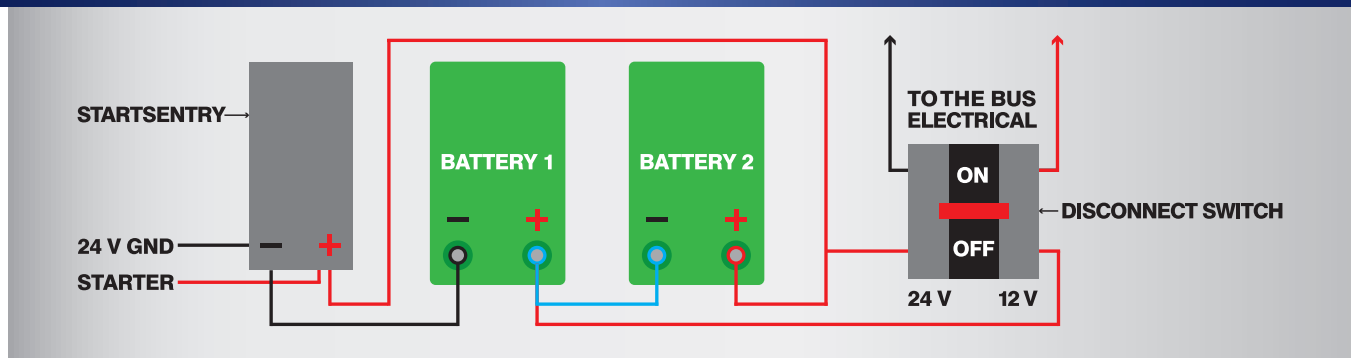


STARTSENTRY OVERVIEW

SPECIFICATIONS

UCS24-123KJ-IS	Positive sense for start
UCS24-123KJ-GS	GND sense for start
Operating Voltage Range	10.0 Vdc to 31 Vdc
Operating Temperature	-40° F to +140° F (-40° C to +60° C)
Storage Temperature	-40° F to +158° F (-40° C to +70° C)
Peak Cranking Power	50 kW at -0.4 F (-18° C) for 1.5 seconds
Cold Cranking Amps	1800 A at -0.4 F (-18° C) for 1.5 seconds
Capacitance	309 Farad
Storage Energy	123 kJ
Life Cycle	200,000 Cycles
Leakage Current	10 mA
Self-Discharge Time	10 days to 80% Voltage at 81° F (27° C)
Charging Time Initial Installation	15 Minutes
Designed Operation	Self-Controlled
Contents	Capacitors, Controls, Contactor
Chassis	Black Powder Coated Aluminum
Dimensions	7.8 H x 22.0 D x 7.5 W in (19.812 H x 55.88 D x 19.05 W cm)
Weight	30 lbs. (13.6078 kg)

TYPICAL TRANSIT BUS INSTALLATION



The **StartSentry** reduces time idling, saves fuel, decreases emissions, and reduces the cost of battery replacements and jump-starts all the while keeping your drivers sharp and on time. **To learn more, contact us at 800-AC POWER (227-6937), or visit vanner.com.**

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Product designs and specifications described in this literature are subject to change without notice.

