

# POSICHARGE SVS



## SVS80



### SINGLE PORT ELECTRIC MHE CHARGER

PosiCharge™ SVS80 is the cost-effective solution for fast charging high usage Class III vehicles such as pallet-jacks and tuggers. The versatile SVS80 has a compact footprint for easy integration, and it provides up to 200 amps of current through a single port, which makes it the optimal solution to round out your fast charge fleet.

## SVS200



### SINGLE PORT HIGH OUTPUT POWER ELECTRIC MHE CHARGER

PosiCharge SVS200 can supply 320 Amps with maximum efficiency, making it ideal for hard working distribution centers and manufacturing facilities. Built using ultra-efficient IGBT technology, the SVS200 is the high output charger of choice for customers looking to combine power with performance.

## SVS300



### SINGLE PORT HIGH OUTPUT POWER ELECTRIC MHE CHARGER

Delivering up to 500 Amps, the PosiCharge SVS300 is a heavy duty charger designed for the toughest applications. A cost-effective stand-alone solution that combines exceptional output capability with compact size, the SVS300 can be mounted virtually anywhere, keeping operations performing with maximum productivity.

## Reliable. Intelligent Fast Charge.

The PosiCharge SVS are intelligent fast charging systems that range in power capability from 7kW to 30kW and are designed to handle multiple shifts for round-the-clock performance from light-duty vehicles to the hardest-working electric forklifts in your fleet.

The SVS 80/200/300 models are based on our robust single-port architecture for maximum flexibility and modularity. Vehicles conveniently recharge at various times throughout shifts during short, but opportune, "fast-charge" windows, such as breaks, lunches, shift changes, or during downtime.

Like with all PosiCharge chargers, advanced built-in battery protection technology can automatically custom-charge batteries of various sizes, capacity and duty-cycles, and can ensure that each battery receives maximum charge without exceeding safe temperatures.

Our revolutionary technology is designed to maximize fleet performance, productivity and battery life, and to make charging fast, worry-free and safe.

## BENEFITS

### Safety

- + Highest Safety Standards: UL1564, CEC (except SVS80), CSA, CE, RoHS Compliant
- + Unique built-in safety features protect employees & equipment
- + 0% battery changing-related accidents

### Performance

- + BMID-managed, automated worry-free charging
- + Charge during scheduled breaks, keep your fleet running all day
- + 0% downtime due to battery changing
- + Proven to extend battery life and surpass battery warranties

### Savings

- + Lower infrastructure & utility cost
- + Lower operational cost
- + Lower maintenance cost



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PosiCharge™ systems, a product line of AeroVironment, Inc.  
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# FEATURES

- » Universal Battery Type, Brand, Voltage, Chemistry and AH Capacity
- » Real-Time Clock
- » Auto Thermal Shut Down
- » Shutdown Response Time 5ms
- » Maintains 250 Charge Event Logs
- » Auto Start/Stop
- » Closed Loop Gas Control
- » Line Frequency IGBT Technology
- » Easy Change Modular Output Cables – Single (up to 400A) and Dual (500A)
- » Standard 13ft output cable - optional lengths available
- » NEMA 1 Rated Enclosure

# KEY OPTIONS

- » BATTERY RX™ - advanced battery monitor for maximum battery life with optional cellular connectivity and data services.
- » POSINET™ - works with cellular Battery Rx to collect battery charge data and run usage reports.
- » AUTOMATIC WATERING - ensures that water is only added when it is safe and appropriate
- » ELECTROLYTE IMMERSERD THERMISTOR - Temperature compensation to minimize gassing during fast charging & Temperature Fold Back to control battery overheating
- » MODULAR CABLE SYSTEM - for easy service
- » DYNAMIC EQUALIZATION SCHEDULER - delivers weekly EQ compliance without assigning specific chargers to trucks



# SPECIFICATIONS

	SVS80	SVS200	SVS300
POWER RATING	7kW	20kW	30W
MAX OUTPUT CURRENT	200A	320A	500A
EFFICIENCY UP TO	88%	92%	92%
IDLE POWER	27W/<10W*	27W/<10W*	27W/<10W*
POWER FACTOR	0.98	0.98	0.98
AUTO RANGE BATTERY VOLTAGE	24V to 48V	24V to 80V	24V to 96V
FULL LOAD AMP DRAW 480V/600V	12/10	28/23	40/32
CIRCUIT BREAKER RATING	15/15	40/30	50/40
DIMENSIONS, H x W x D	20"x18"x 36"	25"x 20"x 42"	25"x 20"x 42"
WEIGHT	242 lbs	470 lbs	560 lbs

\*with optional CEC upgrade

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