

STS400



Key Features

- **Auto Battery Detect 24V through 48V**
- **Up to 400A Charging Current**
- **High Frequency MOSFET Technology**
- **High Power Factor**
- **High Efficiency**
- **Light Weight and Compact Design**



INPUT CHARACTERISTICS

<i>Input voltage</i>	480 VAC, 3 Phase
<i>Input frequency</i>	50 – 60 Hz
<i>Input current</i>	Max amp draw 27, 35 amp breaker required
<i>Power Factor</i>	0.95

OUTPUT CHARACTERISTICS

<i>Number of charging ports</i>	One
<i>Nominal battery voltages</i>	24V, 36V, 48V (auto-detect through BFD)
<i>Output cable size</i>	2x 2/0
<i>Output voltage range</i>	15 – 65VDC
<i>Output current range</i>	2 – 400A
<i>Maximum output power</i>	400A
<i>Start rate</i>	Programmable through BFD
<i>Protections (auto-recovery)</i>	Output short circuit, output overvoltage, output reverse polarity
<i>Output fuse rating</i>	500A

OTHER CHARACTERISTICS

<i>Power Conversion Technology</i>	High Frequency MOSFET Switching Technology
<i>Efficiency</i>	92%
<i>Indicators</i>	Equalizing, Charge complete, Charging, Fault
<i>Charger configuration</i>	Through keypad or data port
<i>Data port</i>	USB 2.0, Type B connector
<i>Front panel display</i>	2 x 20 characters. Default display of battery SOC, battery temperature, battery voltage, charge duration and charging current.
<i>Wireless Battery Feedback Device</i>	Battery temperature, state-of-charge, equalizing and watering monitoring
<i>Optional accessories</i>	Emergency Stop Peripheral Driver Board (stack lights, watering valves, external fans) Wall mounting brackets
<i>Regulatory Compliance</i>	UL1564, CUL, RoHS

PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

<i>Dimensions (d x w x h)</i>	16" x 20" x 36"
<i>Weight</i>	198 lbs
<i>Enclosure</i>	NEMA 1 rated, stackable (up to 2)
<i>Operating temperature range</i>	-25°C to +45°C
<i>Storage temperature range</i>	-40°C to +65°C
<i>Humidity</i>	5% - 95% RH, non condensing

All specifications subject to change without notice.