

STS320



Key Features

- Auto Battery Detect 24V through 48V
- Up to 320A Charging Current
- High Frequency MOSFET Technology
- High Power Factor
- High Efficiency
- Light Weight and Compact Design



INPUT CHARACTERISTICS

Input voltage	480 VAC, 3 Phase
Input frequency	50 – 60 Hz
Input current	Max amp draw 22, 30 amp breaker required
Power Factor	0.95

OUTPUT CHARACTERISTICS

Number of charging ports	One
Nominal battery voltages	24V, 36V, 48V (auto-detect through BFD)
Output cable size	4/0
Output voltage range	15 – 65VDC
Output current range	2 – 320A
Maximum output power	320A
Start rate	Programmable through BFD
Protections (auto-recovery)	Output short circuit, output overvoltage, output reverse polarity
Output fuse rating	400A

OTHER CHARACTERISTICS

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

PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

Dimensions (d x w x h)	16" x 20" x 36"
Weight	173 lbs
Enclosure	NEMA 1 rated, stackable (up to 2)
Operating temperature range	-25°C to +45°C
Storage temperature range	-40°C to +65°C
Humidity	5% - 95% RH, non condensing

All specifications subject to change without notice.



ACT
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Technologies