

SPECIFICATIONS

AC INPUT

Voltage range, rated	100-240 Vac
Voltage range, operating	85-265 Vac (< 108 Vac: reduced power)
Frequency, rated	50-60 Hz
Frequency, operating	45-65 Hz
Phase	Single-phase
Current, maximum	8 A
Efficiency	$> 91.5\%$ peak, CEC test procedure, 115 Vac, AC and DC losses included
Protection	Current limit, surge, transient, under voltage, over voltage

DC OUTPUT

Power	650 W	
Voltage, nominal	48 Vdc	36 Vdc
Voltage, maximum	72 Vdc	54 Vdc
Current, maximum	13.5 A	18 A
Voltage, min start-up	10 Vdc	
Battery types	Wet/flooded, AGM, gel deep-cycle lead-acid; lithium-ion; custom	
Protection	Current limit, short circuit, reverse polarity, under voltage, over voltage, wrong batt voltage	

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USER & VEHICLE INTERFACES

Bluetooth Smart Wireless	Apps for Apple and Android phones and tablets
LEDs	Charge Complete (green), Charge Status (yellow), AC Present (blue), Fault (red)
Remote LED	Single tri-color; charge complete, charge status, fault; output standard; LED assembly optional
Lockout / interlock	Single wire
Battery temperature	Input standard; sensor optional
CAN bus communication	CANopen® standard, contact LE sales regarding other options

MECHANICAL

Dimensions (LxWxH), (removable feet not included)	11.297 x 7.172 x 3.641 in (287 x 183 x 93 mm)
Cooling	Natural convection (no fan)
AC connector	IEC 60320 C16 inlet with cord clamp
DC connector	External terminals with cover
Lockout connector	External terminal with cover
Battery temp connector	External terminal with cover
Remote LED connector	External DB9 (DE9)
CAN bus connector	External DB9
Mounting	Shelf, wall, bulkhead, threaded rod, hook
Handle	Optional

ENVIRONMENTAL

Enclosure rating	IP66, NEMA 4
Operating temperature	-25°C to 60°C (-13°F to 140°F)
Storage temperature	-40°C to 85°C (-40°F to 185°F)

SAFETY/REGULATORY (PENDING)

UL recognized/listed; cUL/CSA certified; CE certified; EN safety, emissions, immunity; ACMA RCM (C-Tick), FCC Part 15, Class A; ICES-003; CEC Appliance Efficiency Regulations, Title 20; DOE Code of Federal Regulations, 10 CFR Part 430

