

SUMMIT SERIES® II

BLUETOOTH®
SMART WIRELESS

CLOUD
CONNECTIVITY

AUTOMATIC
MULTI-VOLTAGE DC

INDUSTRIAL
SWITCH
MODE
BATTERY
CHARGERS

WORK



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LINCOLN, NE 68522 USA
LesterElectrical.com

SUMMIT II
SERIES

Bluetooth
SMART

AC PRESENT

SEE MANUAL AND BOTTOM FOR MORE WARNINGS AND RATINGS

WARNING:
SCAN QR CODE TO ACCESS, READ, AND FOLLOW MANUFACTURER'S INSTRUCTION MANUAL BEFORE OPERATING CHARGER.
MANUAL ALSO AVAILABLE AT: LESTERELECTRICAL.COM

CAUTION: THIS CHARGER CONTAINS MULTIPLE CHARGE PROFILES FOR DIFFERENT TYPES AND SIZES OF BATTERIES INCLUDING WET, GEL, AND AGM. BATTERIES SHOULD ONLY BE CHARGED WITH A CHARGE PROFILE THAT IS APPROPRIATE FOR THE BATTERY TYPE AND CAPACITY. CHARGING OTHER BATTERY TYPES OR VOLTAGES MAY CAUSE PERSONAL INJURY AND DAMAGE. CONSULT YOUR EQUIPMENT MANUFACTURER IF YOU ARE UNSURE WHICH CHARGE PROFILE TO SELECT USING THE LESTER ELECTRICAL APP.

Lester
ELECTRICAL

FAULT

CHARGE STATUS

CHARGE COMPLETE

SWITCH MODE BATTERY CHARGER

NEMA 4 IP66

CONNECTED WHEN ALL LEDs BLINK

MOBILE APP

SUMMIT

- 1050W models:
 - 48V/22A, 36V/25A, 24V/25A
- Multi-voltage support
 - Automatic DC output voltage detection and adjustment
 - 48V, 36V, and 24V battery packs can be charged with a single charger
- Bluetooth Smart wireless communication
 - Apps for Apple[®] and Android[™] phones and tablets
 - View charge cycle status
 - Time remaining, time elapsed, current, voltage, amp-hours, phase, faults
 - Select the active charge profile
 - Upload new charge profiles to the charger
 - Download charge cycle history records
- Cloud connectivity via the app
 - Download new charge profiles from the Cloud
 - Upload charge cycle history records to the Cloud for access anywhere in the world
- Over 200 charge cycle history records stored on the charger
- External DC and signal connections
- Lockout / interlock
- Switch mode (high frequency) technology
- Best-in-class efficiency
 - California Energy Commission (CEC) and Department of Energy (DOE) compliant
- Low DC output ripple
- Industry-leading charging performance and intelligence
 - Wet/flooded, AGM, gel, and lithium-ion charge profiles
 - *Progressive DV/DT[™]* charge algorithm support
- On-board (built-in) or off-board (shelf) charging
- Universal AC input with IEC inlet
 - 85-265 Vac, 45-65 Hz
- Sealed enclosure, IP66, NEMA 4
- High reliability, durability, and longevity
- Intelligent natural convection cooling (no fan)
 - Leading temperature vs output power performance
- Safety/regulatory approvals
 - UL recognized/listed, cUL/CSA, CE/EN, RCM, FCC, ICES, CEC, DOE

48V

36V

24V

SUMMIT SERIES[®] II

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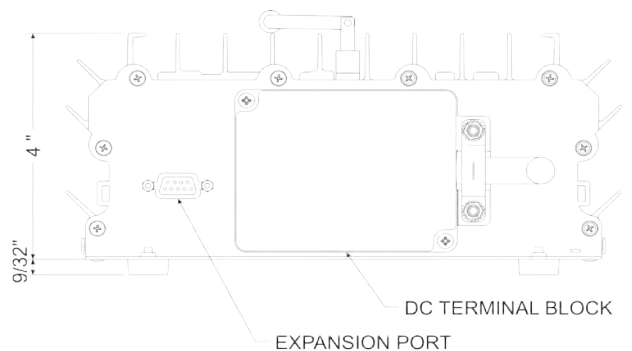
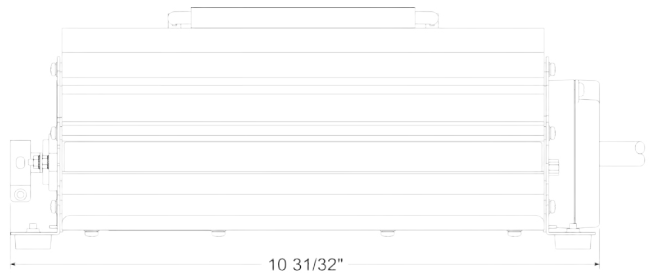
SERIES[®] II



PHONE / TABLET APP



Charger Connect™



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	< 12 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	1050 W		
Voltage, nominal	48 Vdc	36 Vdc	24 Vdc
Voltage, maximum	72 Vdc	54 Vdc	36 Vdc
Current, maximum	22 A	25 A	25 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		

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)
Lockout / interlock	Single wire

MECHANICAL

Dimensions (LxWxH), (removable feet not included)	10.969 x 9.250 x 4.000 in (279 x 235 x 102 mm)
Cooling	Natural convection (no fan)
AC connector	IEC 60320 C16 inlet with cord clamp
DC connector	External terminals with cover
Lockout connector	External terminals with cover
Mounting	Shelf, wall, bulkhead, 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

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