



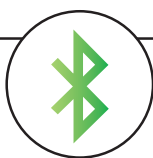
# SUMMIT SERIES® II 1425 W



## AVAILABLE MODELS

24V / 40A

36V / 40A



## BLUETOOTH®

Featuring Bluetooth wireless communication with apps for Apple® and Android™ phones and tablets. View charge cycle status, select the active battery profile, upload new profiles, change between on-board and off-board and download charge history records anytime using just a smart phone or tablet.



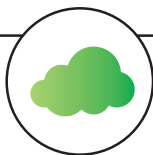
## PERFORMANCE

Our Summit Series® II provides industry-leading charging performance and intelligence. Our proprietary Progressive DV/DT™ charge algorithm ensures a precisely charged battery every time. The chargers are tested in extreme temperatures and operating conditions and built to last.



## EFFICIENCY

Our switch mode (high frequency) chargers have best-in-class efficiency and are compliant with the newest CEC and DOE standards. We operate a CEC approved laboratory in our Lincoln, NE manufacturing plant.



## CLOUD CONNECTIVITY

Push charge histories to the cloud to access data anywhere in the world. Enjoy expert technical support as our Lester Electrical staff can quickly see historical charging records. Add new charging profiles to your charger by pulling from the cloud and pushing to your charger.



## EXPERTISE

Lester has been designing and manufacturing industrial battery chargers for more than fifty years. We are an employee owned company and every member of our team is invested in the quality we deliver our customers.



## FLEXIBILITY

Universal AC input and external DC and signal connections allow for easy customization and worldwide use. Our 1425W offers multi-voltage support allowing one charger to operate at 24V or 36V.

# SPECIFICATIONS

## AC INPUT

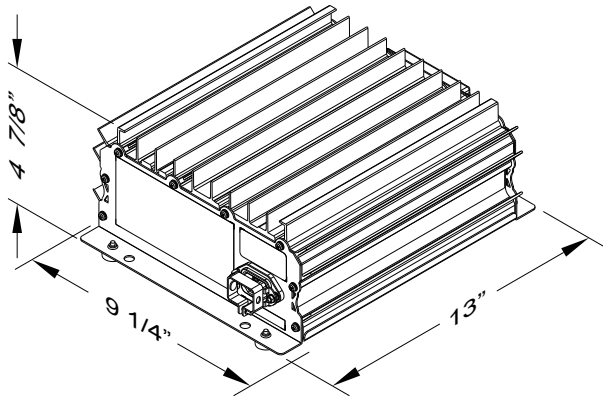
<b>Voltage range, rated</b>	100-240 Vac
<b>Voltage range, operating</b>	85-265 Vac ( $< 108$ Vac: reduced power)
<b>Frequency, rated</b>	50-60 Hz
<b>Frequency, operating</b>	45-65 Hz
<b>Phase</b>	Single-phase
<b>Current, maximum</b>	$< 15$ A
<b>Efficiency</b>	$> 91\%$ peak, CEC test procedure, 115 Vac, AC and DC losses included
<b>Protection</b>	Current limit, surge, transient, under voltage, over voltage

## DC OUTPUT

<b>Power</b>	1200 W	1425 W
<b>Voltage, nominal</b>	24 Vdc	36 Vdc
<b>Voltage, maximum</b>	36 Vdc	54 Vdc
<b>Current, maximum</b>	40 A	40 A
<b>Voltage, min start-up</b>	10 Vdc	
<b>Battery types</b>	Lead-acid (Wet / AGM / Gel), lithium, custom	
<b>Protection</b>	Current limit, short circuit, reverse polarity, under voltage, over voltage, wrong battery voltage	

## ENVIRONMENTAL

<b>Enclosure rating</b>	IP66, NEMA 4
<b>Operating temperature</b>	$-25^{\circ}\text{C}$ to $60^{\circ}\text{C}$ ( $-13^{\circ}\text{F}$ to $140^{\circ}\text{F}$ )
<b>Storage temperature</b>	$-40^{\circ}\text{C}$ to $85^{\circ}\text{C}$ ( $-40^{\circ}\text{F}$ to $185^{\circ}\text{F}$ )



## USER & VEHICLE INTERFACES

<b>Bluetooth Wireless</b>	Apps for Apple and Android phones and tablets
<b>LEDs</b>	Charge Complete (green), Charge Status (yellow), AC Present (blue), Fault (red)
<b>Lockout / interlock</b>	Single wire, high/low operation
<b>Remote LEDs</b>	Single tri-color; charge complete, charge status, fault; output standard; LED assembly optional
<b>CAN bus communication</b>	CANopen <sup>®</sup> and J1939 standard, contact LE sales regarding customized options

## MECHANICAL

<b>Dimensions (LxWxH),</b> <i>(removable feet not included)</i>	13 x 9.250 x 4.875 in (330 x 235 x 124 mm)
<b>Cooling</b>	Natural convection (no fan)
<b>AC input connector</b>	IEC 60320 C16 inlet with cord clamp
<b>DC output connector</b>	External terminals with cover
<b>Lockout connector</b>	External terminal with cover
<b>Mounting</b>	Shelf, wall, bulkhead, threaded rod, hook
<b>Handle</b>	Carrying handle optional

## SAFETY/REGULATORY

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



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