



# SUMMIT SERIES® II 1050W V2



**NEW FEATURE**

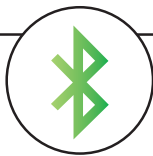


Want to know more about Sigma? Contact a Lester sales representative today.



The newest line of chargers from Lester Electrical, the Summit Series® II charger family includes the most comprehensive feature set and best performance we have delivered in our sixty plus year history as a company. The chargers are ideal for use in any motive power application including golf cars, aerial work platforms, floor care machines, industrial vehicles, lift trucks and outdoor power equipment.

AVAILABLE MODELS		
48V / 22A	36V / 25A	24-48V / 25-22A
28750	29410	30410



## 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 latest DOE and CEC, 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 sixty 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 1050W offers multi-voltage support allowing one charger to operate at 24V, 36V or 48V.

# SPECIFICATIONS

## AC INPUT

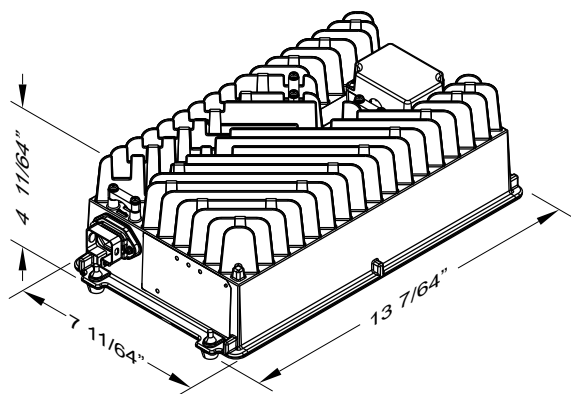
<b>Voltage range, rated</b>	100-240 Vac
<b>Voltage range, operating</b>	85-265 Vac ( $< 108$ Vac: reduced power)
<b>Frequency, rated</b>	50-60 Hz
<b>Frequency, operating</b>	45-65 Hz
<b>Phase</b>	Single-phase
<b>Current, maximum</b>	$< 12$ A
<b>Efficiency</b>	$> 91\%$ peak, DOE test procedure, 115 Vac, AC and DC losses included
<b>Protection</b>	Current limit, surge, transient, under voltage, over voltage

## DC OUTPUT

<b>Power</b>	1050 W		
<b>Voltage, nominal</b>	24 Vdc	36 Vdc	48 Vdc
<b>Voltage, maximum</b>	36 Vdc	54 Vdc	72 Vdc
<b>Current, maximum</b>	25 A	25 A	22 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>Remote LED</b>	Single tri-color; charge complete, charge status, fault; output standard; LED assembly optional
<b>Lockout / interlock</b>	Single or dual wire options
<b>Battery temperature</b>	Input standard; sensor optional
<b>CAN bus communication</b>	CANopen® and SAE J1939 standard, contact LE sales regarding customized options
<b>Wake-up signal</b>	Two wire interface allows vehicle/battery circuitry to wake-up when AC power is present

## MECHANICAL

<b>Dimensions (LxWxH), (removable feet not included)</b>	13.203 x 7.171 x 4.171 in (336 x 182 x 113 mm)
<b>Weight</b>	10.216 lbs (4.633 Kgs)
<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>Battery temp connector</b>	External terminal with cover
<b>Remote LED connector</b>	External DB9 (DE9)
<b>Wake-up connector</b>	External DB9 (DE9)
<b>CAN bus connector</b>	External DB9 (DE9) or external terminal with cover
<b>Mounting</b>	Shelf, wall, bulkhead, threaded rod, hook
<b>Handle</b>	Carrying handle optional

## SAFETY/REGULATORY

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



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