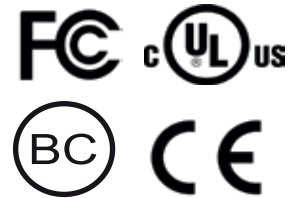


# 24V, 2.5A Lead Acid Battery Charger



## Features

- RESNA Compliant
- CEC Compliant
- LED Indicators Charge State
- OVP, OTP, SCP
- Charges AGM Batteries
- Max 12hrs Charging Time

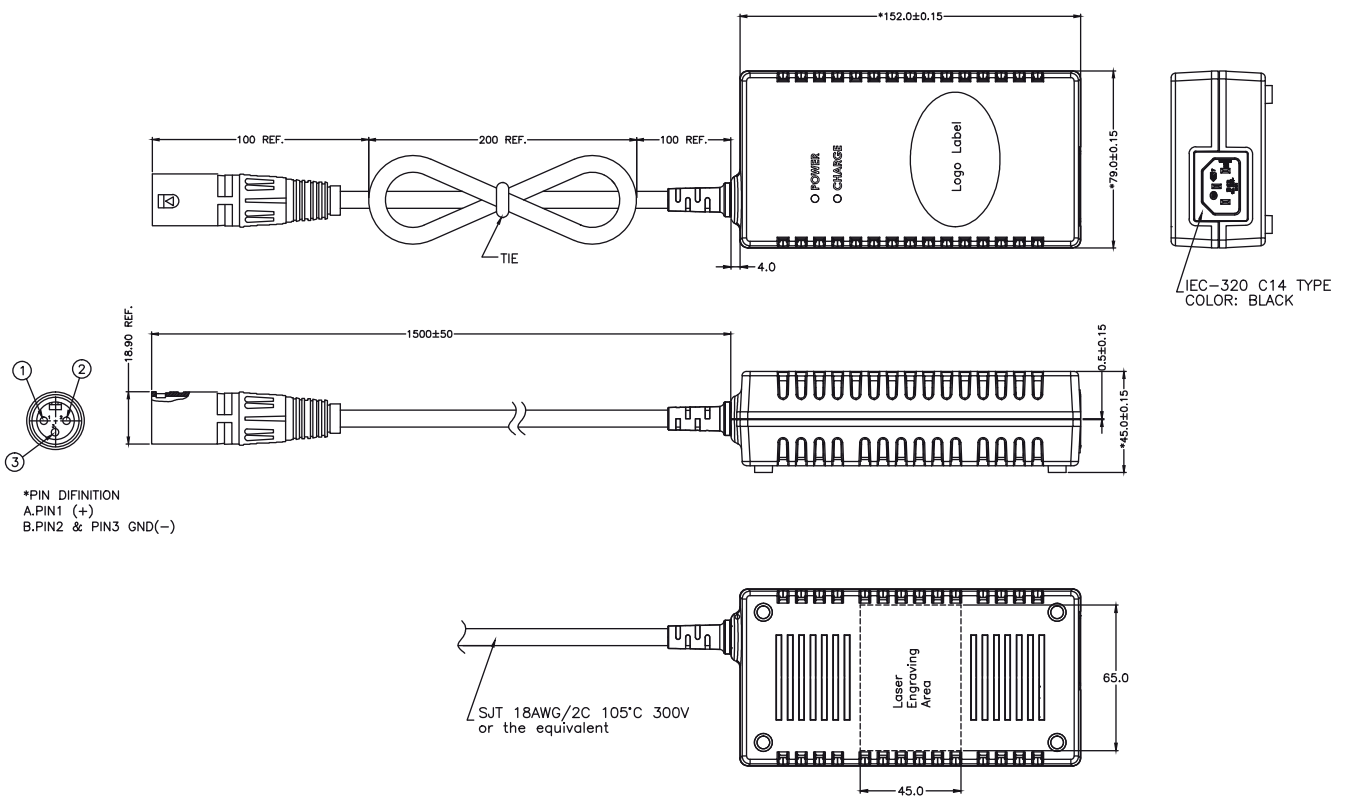
## Applications

- Power Wheelchairs
- Electric Motorcycle
- Mobility Scooters

INTEGRITY  
INNOVATION  
CHALLENGE

Model name		DA60U-240A-R
Input	Input Rating	100 to 240VAC
	Input Current	1.5A(RMS)max for 115VAC; 0.75A(RMS)max for 230VAC
	Frequency	47-63 Hz
	No Load Input Power	≤0.21W at 230VAC
	Leakage Current	<0.1mA max at 264VAC
	Inrush Current	<150A max at 230VAC; <75A max at 115VAC(cold start at ambient 25°C)
	Hold-up Time	16mS at input voltage of 230VAC/60Hz, output load 60Wmax
Output	DC Output Voltage	24V
	Bulk Mode Voltage	29.6V
	Float Mode Voltage	27.3V
	Charge Current	2.5A
	Ripple	240mV pk-pk @25°C <sup>(1)</sup>
	Efficiency	24V/2.5A efficiency ≥85% @25°C min. at 115Vac/60Hz and 230Vac/50Hz input
	Over-Voltage Protection	32V trip point. Output will remain off until power is recycled
	Over-Temp. Protection	Non-latching
	Short-Circuit Protection	The output can be shorted without damage
	Reverse Polarity Protection	Shall produce no more than 100mA of current or any damage
	Battery Over-Charge Protection	Charger time-out. No greater than 12hrs, for bulk/absorption charging
Environmental	Temperature	Operating: -25°C to 50°C
		Non-Operating -25°C to 70°C
		Humidity: 20% to 90% non-condensed
	Emissions	Complies with FCC Part 15 Class B
		Complies with EN55014-1 and EN55014-2 Class B
		Complies with EN61000-3-2 Class A
		Complies with EN61000-3-3
	Immunity	EN61000-4-2:2008
		EN61000-4-3:2006+A1:2007+A2:2010
		EN61000-4-4:2012
EN61000-4-5:2014 + A1:2017		
EN61000-4-6:2013		
EN61000-4-8:2009		
Compliance	EN61000-4-11:2004 + A1: 2017	
	ISO 7176-14(RESNA)   CISPR 11: 2015 IEC 60529-IPX1	
General	Insulation Resistance	>100M Ohm minimum, 500VDC
	Hi-Pot Test	Primary to Secondary: 3000VAC for 1min, 10mA
	AC Input Connector	IEC C14 inlet
	DC Output Cable	SJT 18AWG Black; 1500mm±50mm
	Output Connection	+24VDC(XLR connector):White, Pin1(connected to battery +) RTN(XLR connector):Black, Pin 2, 3(connected to battery -)

Model name		DA60U-240A-R
General	LED Indicator	Blue LED: bulk mode or float charge(state of charge)
		Bulk mode <span style="color: blue;">●</span> <b>Blinking 2Hz</b> <span style="color: green;">●</span> Green LED: Indicates charge on
Outline	L x W x H	152mm(5.98in) x 79mm(3.11in) x 45mm(1.77in)
	Weight	650g(1.21lbs)



Notes:

(1) This is performed by applying a 0.1µF ceramic capacitor and a 47µF low-ESR Electrolytic capacitor across the test point and oscillo-