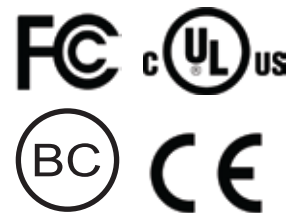


24V, 3.5A Lead Acid Battery Charger



Features

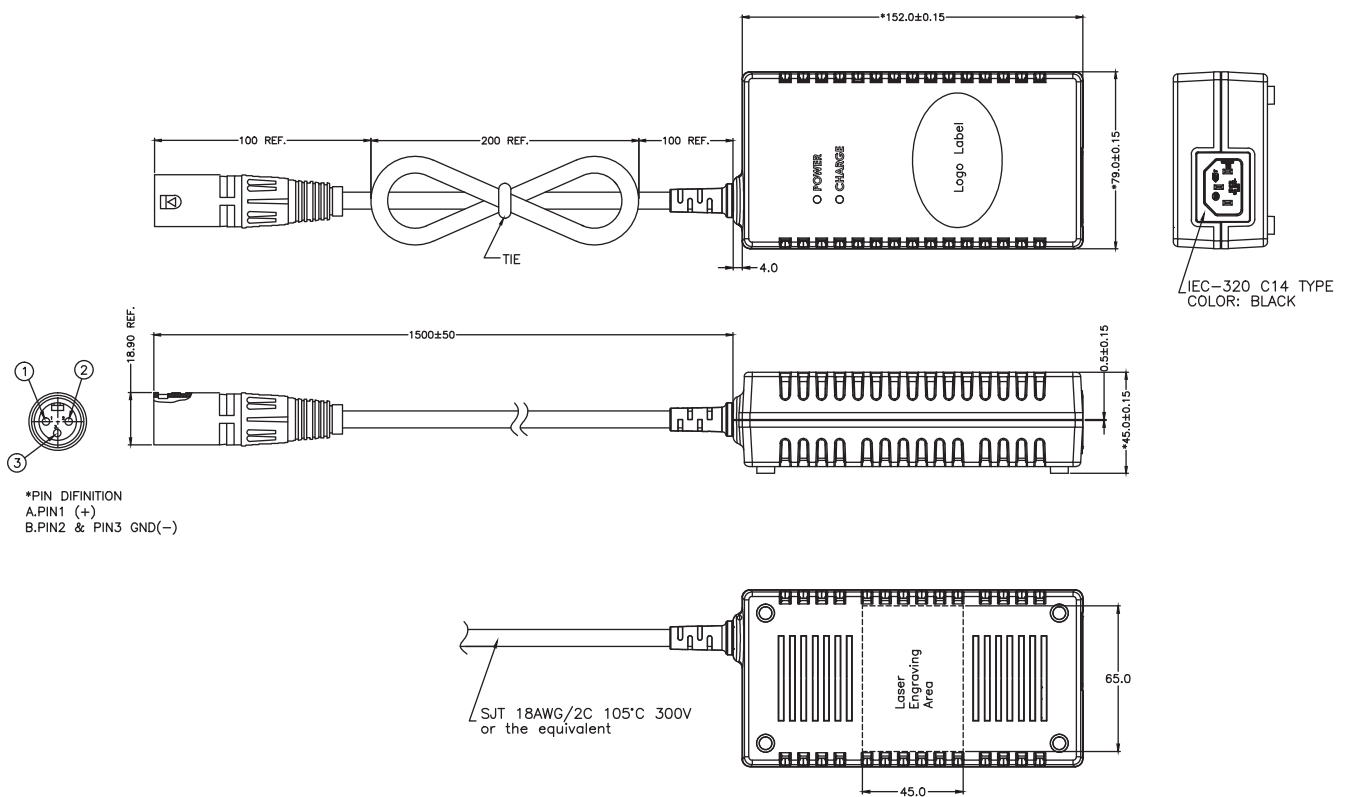
- *RESNA compliant*
- *CEC compliant*
- *LED indicators charge state*
- *OVP, OTP, SCP*
- *Charges AGM batteries*
- *Max 12hrs Charging Time*

Applications

- *Power Wheelchairs*
- *Electric Motorcycle*
- *Mobility Scooters*

Model name		DA84U-240A-R
Input	Input Rating	100 to 240VAC
	Input Current	2A(RMS)max for 115VAC; 1A(RMS)max for 230VAC
	Frequency	47-63 Hz
	No Load Input Power	≤.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 84W max
Output	DC Output Voltage	24V
	Bulk Mode Voltage	29.6V
	Float Mode Voltage	27.3V
	Charge Current	3.5A
	Ripple	240mV pk-pk @25°C ⁽¹⁾
	Efficiency	24V/3.5A 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
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
Immunity		Complies with EN61000-3-3:2013
		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	
Compliance	EN61000-4-8:2009	
	EN61000-4-11:2004+A1:2017	
	ISO7176-21(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
	DC Plug	+24VDC(XLR connector):White, Pin1(connected to battery +)
	DC Plug Pin Assignment	RTN(XLR connector):Black, Pin 2, 3(connected to battery -)

Model name		DA84U-240A-R
General	LED Indicator	Blue LED: bulk mode or float charge(state of charge)
		Bulk mode ● Blinking 2Hz ● Green LED: Indicates charge on Float mode ● ● Green LED: Indicates charge on
Outline	L x W x H	152mm(5.98in) x 79mm(3.11in) x 45mm(1.77in)
	Weight	700g(1.3lbs)



Notes:

(1) This is performed by applying a 0.1μF ceramic capacitor and a 47μF low-ESR Electrolytic capacitor across the test point and oscilloscope is setting 20MHz

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