PHIHONG

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*

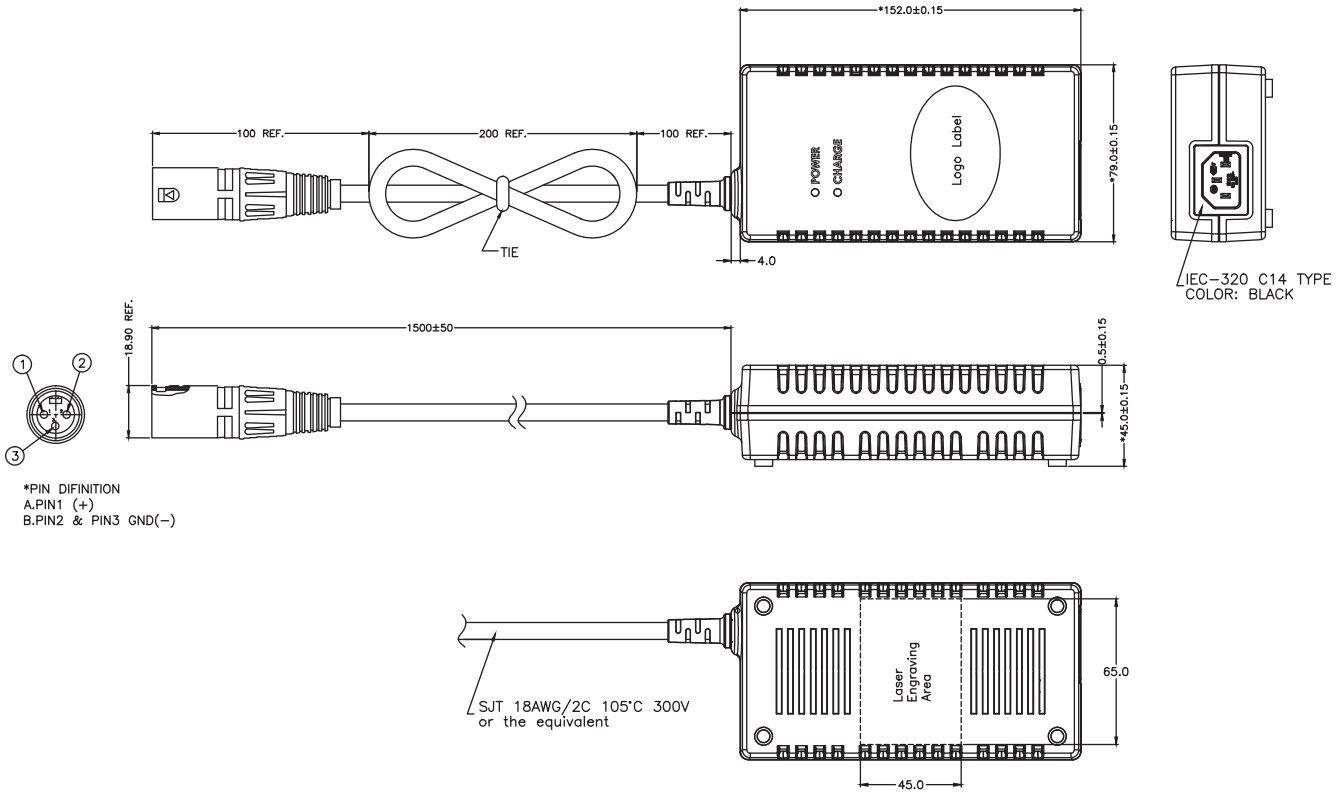
Applications

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

INTEGRITY
INNOVATION
CHALLENGE

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 25ºC)	
	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 @25ºC(1)	
	Efficiency	24V/3.5A efficiency ≥85% @25ºC 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: -25ºC to 50ºC	
		Non-Operating -25ºC to 70ºC	
		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 EN61000-3-3:2013	
	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	
		EN61000-4-11:2004+A1:2017	
	Compliance	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	XLR connector	
	DC Plug Pin Assignment	Pin 1 = 24V(connected to battery+); Pins 2 & 3 = Ground (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(1.54lbs)



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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Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

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NOTE: This model has/The models in this product series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.