



Electro Service (India)
An ISO 9001:2015 Company



E-RICKSHAW BATTERY CHARGER

E-Rickshaw runs on electrical energy, provided by a heavy duty rechargeable battery bank. It is ECO friendly and has low running cost & lower maintenance cost as well. Compared to petrol/diesel/CNG driven Auto Rickshaw, E-Rickshaw has lower initial investment.

ESI SMPS Battery Charger for E-Rickshaw Battery is designed with on-board microcontroller and precisely programmed for quick charging of battery but without causing any damage to the health of the Battery.

TECHNICAL SPECIFICATION:	
Battery	4X12V tubular From 42 AH to 150 AH
Input voltage	170-260V, 1 Ph, 50 Hz
Charging current	5A / 10A / 15A
Charging voltage	64.5V DC
Charging sequence	<ul style="list-style-type: none"> • Initiation with a small delay & soft start • Rated CC up to 50% charge • Reduced CC up to 95% charge • Absorption charge at CV mode • Float charging at low current
Line & load regulation	± 1%
Ripple voltage at resistive load	<0.5% peak to peak
Efficiency	90% in 48V X 15A model

"Quality Endures"

Warranty – Unconditional 12 months with life time service support

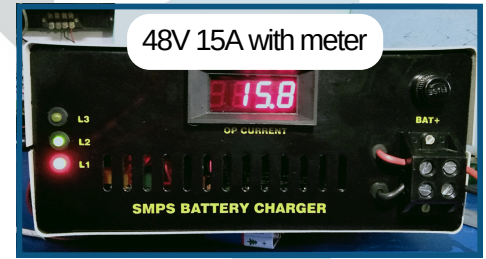
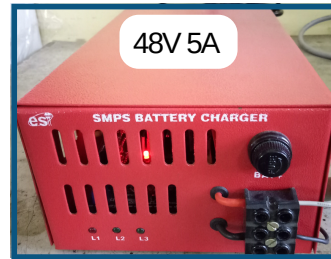
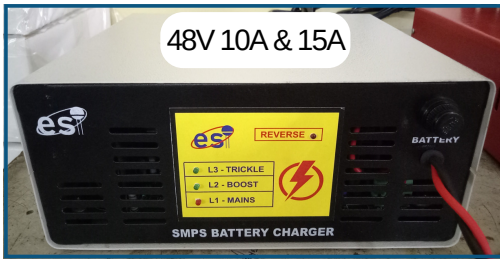


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SALIENT FEATURES OF ESI SMPS BATTERY CHARGER:

A. For the life of battery:

- Pre-programmed multi stage charging profile
- ESI charger prevents over-heating & over-charging of battery
- End of charging process by over-riding TIMER

B. Friendly features for the end-user:

- Charging indication with a blinking LED
- End of charge notification by buzzer
- Easy replacement of mother board for quick servicing

C. For the life and protection of the charger:

- Protection against reverse polarity connection of battery
- Twin fan cooling & thermal shutdown
- Protection against over load & short circuit
- Protection against input over voltage & surge
- Inrush current limiting by delay and soft start
- Generous component layout for easy air flow
- Magnetics are vacuum impregnated with class-F varnish

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