



Electro Service (India)
An ISO 9001:2015 Company



ESI SMPS TRACTION BATTERY CHARGER

Battery charging profile of ESI make TRACTION BATTERY CHARGER is controlled by precise microcontroller to ensure quick charging but without causing any harm to the battery. ESI Traction Chargers are two step constant current chargers and charging termination is reached by in-built timer.

All the Chargers have an equalizing-cum-initial charging mode where charging current can be adjusted from 3 to 6% of AH capacity of the battery and charging should be terminated manually.

We program the charging profile in compliance with battery manufacturer's guide line.

TECHNICAL SPECIFICATION	
BATTERY	24/30/36/48/72V, Traction Battery
INPUT	Single Phase – 170-260V, 50/60 Hz Three Phase – 415V ± 10%, 50/60 Hz
CHARGER SPECIFICATION:	
Technology	Single phase – Switched mode power supply Three phase – Full wave Thyristor Converter
Charging Profile	Step-1: CC1 @ 13% of AH up to 2.35V/cell Step-2: CC2 @ 60% of Step-1 when Timer starts Step-3: CV mode for trickle charging after elapsed time
Equalizing cum Initial charging mode	Manually adjustable CC from 3 to 6%
Line & load regulation	± 1 %
Ripple voltage	Single phase – 1% RMS Three phase – 3% RMS
Protection	AC over voltage, output over current & short circuit, Surge protection at input
Enclosure & mounting	MS, powder coated, wall/table mounting or portable wheel mounting
Metering	Digital Volt meter and Ammeter
Indicating LEDs	CC-1, CC-2, CV and Manual mode

"Quality Endures"

Warranty – Unconditional 12 months with life time service support



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SMPS (Hi-frequency) SINGLE PHASE TRACTION BATTERY CHARGER

MODEL NO.	BATTERY VOLTAGE	BATTERY AMP-HR (AH)	CHARGING CURRENT-MAX
HFT-2425-2M01	24V	100 - 240	25A
HFT-2450-2M01	24V	250 - 400	50A
HFT-3025-2M01	30V	100 - 200	25A
HFT-3050-2M01	30V	210 - 400	50A
HFT-3620-2M01	36V	100 - 150	20A
HFT-3640-2M01	36V	160 - 320	40A
HFT-4830-2M01	48V	100 - 240	30A



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