



FT, FS series AUTOMATIC TRACTION BATTERY CHARGER

This range of automatic battery charger has been designed for using in a rugged industrial environment for the daily cycle usages recharging of traction batteries or deep cycle batteries used in a wide range of motive vehicles. This range includes ; forklift trucks, mining-type locomotives, stacker, pallet truck, AGV, floors sweepers, milk floats and other on highway electrical vehicles. Best for cycle usages, not for standby charging.

TECHNICAL FEATURES

- Power supply (Other inputs are available as required)

FS-Series (1 Phase)	FT-Series (3 Phases)
50 Hz ▶ 220V-240V	50 Hz ▶ 380V-420V
60 Hz ▶ 230V-250V	60 Hz ▶ 400V-440V

- Micro processor control and monitoring of all charging periods
- auto start after 3 seconds, to prevent severe spark
- Powerfully and strong Diode Silicon Rectifiers
- Automatic power cut off when fully charged
- EQUALIZE button, easy and simply for activating your battery electrolyte manually, energise and rescue the poor batteries and keep the normal batteries in good health.

- Automatic diagnose system, rapid auto check since start through the end of charging period ensure perfect cycle of empowering to maintain maximize battery capacity and long life

- Display : - "Main" LED (Power supply),
- "E" LED (Charging),
- "50%" LED, "80%" LED,
- "FULL" LED, "EQ" LED,
- Output current indicator

- Protection : - Input circuit breaker
- Output fuse unit

- Buzzer sound indicated when finish, alerting sound when false, fail, or wrong connection.

CALCULATION THE CHARGER RATING

For Traction Battery(5-6Hours rate)

$$I = \frac{C(Ah)}{6} \quad \text{10 Hours charging}$$

$$I = \frac{C(Ah)}{4.5} \quad \text{8 Hours charging}$$

For Deep Cycle Battery(20Hours rate)

$$I = \frac{C(Ah)}{8} \quad \text{10 Hours charging}$$

$$I = \frac{C(Ah)}{6} \quad \text{8 Hours charging}$$

I = Initial charge current (Amps)
C = Battery capacity in Ah(Amp-Hrs)