

INDUSTRIAL BATTERY CHARGERS



TOTALIFT®



TOTALIFT® TL-Series Industrial Battery Charger

Description

The TOTALIFT TL-series charger can be used with batteries of any type, voltage and capacity, at almost any temperature. The output voltage and current normally follow a programmed charge curve, however, it's possible to also use the unit as a stabilized power supply with manually adjustable current limits. This feature is useful to recover sulfated batteries.

Standard Features

- Fully automatic and fully digital
- Exclusive MTL2 digital technology
- Auto start/stop
- Fully programmable microprocessor controlled charger with digital display
- Auto & manual equalize options
- Start delay
- Anti-scratch surface
- 10ft standard cables
- Programmable gassing voltages
- Elapsed time and elapsed time memory
- Push button memory readout
- Adaptive algorithm for charge time calculations
- Charger can be used with different battery capacities, depending on time available for charge, without the need for any adjustments by user
- Independent safety button for emergency shutdown
- Selectable de-sulfating cycle
- Self adjusts to 50/60 cycle to US, Canada & International specs
- Automatic maintenance/refresh system for long time battery storage
- Automatic data saving in case of blackout & auto start from point of interruption automatic saving of charger parameters
- Digital indication of voltage, capacity return, time of charge, and cool down time
- Quick digital troubleshooting guide
- 5 year warranty, 7 year on transformer

*battery connectors not included



TOTALIFT®

877-662-5275

TOTALIFT® BDX Industrial Battery Load Test Analyzer

Description

The BDX is an automatic battery discharger/analyzer, designed to test the efficiency of batteries of any type, voltage and capacity. This equipment can be programmed to discharge the battery with a precisely controlled constant current, adjustable from zero to the maximum rated value, while keeping the battery voltage under control. While the discharge is in progress, the control board measures the total capacity (Ampere-Hours) discharged from the battery. When the battery voltage reaches the minimum programmed value, or when the maximum programmed test time is reached, the BDX shuts down automatically, while measured parameters remain available to the user.

The BDX is very simple to use and doesn't require particular training. The programming of the test requires less than 2 minutes and the operation is completely automatic. An integrated data logger with interface and PC software (TrendCOM 2006) is available on request.

Standard Features

- High frequency IGBT regulator, featuring constant current discharge of the battery
- Rugged construction for maximum reliability in heavy duty industrial applications
- Compact and easily portable
- Available input voltages up to 600 V
- Single units with parallel design, for unlimited total discharge current
- Dual units, already configured for 300 or 400 a maximum discharge current
- intelligent electronics protection system (includes soft start, battery polarity reversal and over temperature)
- Programmable digital board, microprocessor controlled
- Can operate with batteries of any type
- Digital display (battery voltage and current, time, capacity discharged, and programmed values)
- Integrated data logger, PC interface (RS-232 or USB)
- CE certified UL/CSA certified ISO9000 quality control compliant
- Available in three models: 12-48v, 12-80v, and 12-96v.

*battery connectors not included



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TOTALIFT® TLX Opportunity Charger

Description

The TOTALIFT TLX is a fully automatic 100% Opportunity Charger with an Exclusive Automated Dual Rate Charging Curve. The operation of the TLX charger is managed by the new MTL3 Digital Charger Controller, which has a fully programmable microprocessor based electronic control board.

Standard Features

- The Most Energy Efficient Opportunity Charger in its Class
- Fully Automatic, Fully Digital
- Programmable Microprocessor
- Automated Dual Rate Charging Curve
- Auto and Manual Equalize
- Start Delay Option
- 10' Standard Cables
- Elapsed Time and Elapsed Time Memory
- Self Adjust to 50/60Hz Power Cycle to USA, Canada & International specs
- Automatic Data Saving in case of blackout and Auto Start From Point of Interruption—Automatic Saving of Charger Parameters
- Quick Digital Troubleshooting Guide
- UL/CSA Approved
- Full Technical Support
- Five Year Full Warranty (Seven Years on Transformer)

*battery connectors not included



TOTALIFT®

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Description

The TOTALIFT TL-Series AEMVC Charger can be used with batteries of any type, voltage and capacity, at almost any temperature. The output voltage and current normally follow a programmed charge curve; however, it's possible to also use the unit as a stabilized power supply with manually adjustable current limits. This feature is useful to recover sulfated batteries.

Standard Features

- Three phase input 220/390/480/660 Vac 50/60 Hz
- Single output and fully adjustable
- Charge curve type IUa (ok for sealed or flooded batteries)
- On request charge curves IU1a, WU1a, I1/2a, IU1U2a or programmable
- De-sulfating cycle
- Digital or analog voltmeter and ammeter
- Digital timer (0-99 hours) or mechanic (0-24 hours)
- Current generator mode
- Forced cooling
- Active protection against output short-circuit and against battery polarity reversal without fuses
- Thermal protection for all power electronic parts

*battery connectors not included



TOTALIFT®

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TOTALIFT® T-Series Portable MVC 110/120

Description

TOTALIFT® T-Series MVC Charger – (MVC 110/120) is a portable plug-in multi volt battery charger designed to charge lead acid batteries from 1 volt to 48 volts with an input voltage of 110/120 or 220/240 volts using a constant current charge.

Standard Features

- 12-48 Volt
- Fully automatic
- Fully digital
- 3 year on charger and 5 on the transformer
- Auto equalize
- Ideal for desuphating and reviving dead batteries or batteries that have not been used for a long time.
- Easy programming by +/- touch button
- Program time of charge between 1-96 hours
- Program maximum capacity to charge from 10Ah – 2000Ah
- Program maximum charge voltage from 1volt – 48 volts
- Manual stop button
- Modify charge cycle anytime during programmed cycle
- Over current and voltage protection
- Static memory – charger maintains programmed features of the last charge cycle to avoid re-programming for the same application
- Constant current charge
- Cart sold separately

*battery connectors not included



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TOTALIFT® T-Series Industrial Battery Charger

Description

TOTALIFT T-Series chargers range from a portable single phase 110/120 volt AC (plug-in) to a 480 volt AC three phase model. The operation of the TOTALIFT T-Series charger is managed by the new MRG charge controller, which is a microprocessor, based electronic control board. The MRG charge controller monitors the entire charging curve and it incorporates several safety features.

The front panel of the MRG charge controller is composed of four status LEDs (CHARGING- 80% CHARGED-COMplete- FAULT/ALARM) and 3 ammeter LEDs.

Standard Features

- Fully automatic
- Auto start/stop
- Self adjust to 50/60 Hz cycle to US, Canada and International specs
- 10 ft standard cord
- UL/CSA approved
- Energy efficient
- Full technical support
- 3 year warranty, 5 year on transformer
- Auto maintenance/refresh for long weekends or long time battery storage
- Can be used with different battery capacities-depending on time available for charge w/o the need for any adjustments

*battery connectors not included



Hard-Wired



Plug-In



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TOTALIFT® High Frequency Chargers

Standard Features TLHF1

AVAILABLE FORMATS

CASING A 7.5" x 4.65" x 2" (L x W x H)

12Vdc / 8A, 10A, 12A — 120V AC 12 amp AC **PN# 7005440**

CASING B 7.5" x 4.65" x 2" (L x W x H)

24Vdc / 4A — 120V AC 8 amp **PN# 7005441**

CASING C 9.84" x 4.65" X 2" (L x W x H)

24Vdc / 10A, 12A, 15A - 120V AC 15 amp **PN# 7005437**

- This small, fully automatic, high frequency charger is waterproof and extremely resistant thanks to it's monobloc aluminum casing and circuits in an epoxy resin cast.
- Ideal for installations on vehicles where space is limited or the charger is exposed to chemicals, dust, or bad weather.
- Monitoring the state of charge is simple thanks to the 3 LED indicators & active circuit protects the charger from polarity inversion, overload and short circuit of the battery & overheating of the unit.



Standard Features TLHF2

AVAILABLE FORMATS

CASING: 7.5" x 7.5" x 4.33" (Lx W x H)

TLHF-2A 12Vdc or 24Vdc / 20A to 40A—120V AC

PN# 7005438

TLHF-2B 36Vdc or 48Vdc / 10A to 25A—120V AC

PN# 7005439

- Despite it's small size, it can charge batteries from 30Ah to 240Ah in 8hours depending on output voltage.
- The charge curve can be programmed for any type of battery.
- Due to it's air cooling system it can operate at stable temperatures regardless of the position or orientation it's installed.
- an active circuit that protects the charger from polarity inversion, overload and short circuit of the battery and overheating of the unit.
- The ECF2 can be bundled with an external state of charge indicator or a charge management module.



*battery connectors not included

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- We don't just build forklifts. As a company, we are also focused on providing our customers with the best possible technical service support and aftermarket parts available.
- Even though our business starts with a quality, cost-effective product, our organization understands that it is the support and services we provide after the sale that help keep your business running at peak efficiency.
- **THE CLARK PartsPRO® SYSTEM** is our industry-leading electronic parts and service documentation tool that provides dealers with a quick and accurate method of identifying parts for every CLARK forklift built since 1961. PartsPRO® ensures the availability of the most current technical information and has the unique capability to create parts manuals specific to your mixed CLARK fleet, making it simple to positively identify and order the correct part(s) from your local CLARK dealer. The right CLARK part — The First Time, Every Time.
- **UNRIVALED PARTS SUPPORT** Our Aftermarket Distribution Center provides parts to over 250 North American CLARK dealers and many international dealers. This CLARK operated 184,000 square foot facility is dedicated to supporting the CLARK models built over the last 90 years. This facility is focused on providing excellent off-the-shelf availability, quality parts, quick response time and competitive pricing.

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