

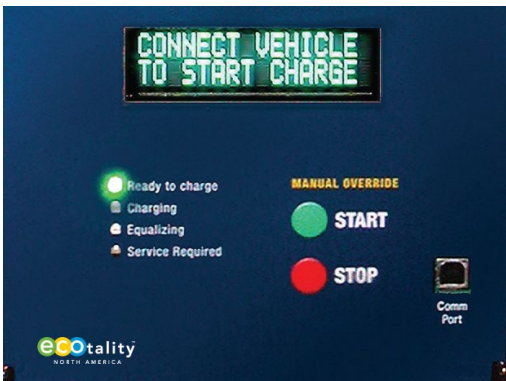
The ECotality NA Minit-Charger® FC Charge System is specifically designed to charge all material handling equipment quickly to reduce vehicle downtime.



The FC is capable of charging all your material handling equipment in the warehouse from 24 volt pallet jacks to 48 volt forklifts



BDC Battery Module



Model FC Controller Display

**Features of the ECotality NA Minit-Charger® FC include...**

- Automatically identifies battery voltage, capacity, and battery chemistry using the BDC battery module
- Fastest charge in the industry using the patented ECotality Minit-Charger® charge algorithm
- Adaptive real-time charge control
- Automatically de-stratifies the battery during charge to ensure long battery life
- Automatically charges through entire charge cycle and equalization
- 24V, 36V, and 48V nominal battery pack voltage, sealed (VRLA) and flooded batteries
- Rapid shutdown feature for safe operation
- Includes cable management and single connectors
- May be configured as a sequenced, dual port charger using the optional DCC (Dual Charge Controller)

**Power Section Design**

Reliable, industry proven, maintenance free, high frequency, switch mode IGBT design for use with 24, 36 and 48 V batteries. Low circuit rating requirements. Certified to UL 1564, Industrial Battery Charger standard.

**Charge Station Control**

Post or wall mount with super compact enclosure. Automatic Start and Stop with automatic charge complete termination. Manual Start and Stop Override Push buttons. Display features:

- Multi-Lingual Display
- State of Charge Fuel Gauge
- Charger status lights
- Data upload/download port
- Easy to use and manage

**BDC Module**

Patented charge control profile and proprietary architecture uses BDC battery module onboard the battery to communicate charge control and store Minit-Trak fleet performance analysis data. Senses battery health prior to start of charge. Ensures maximum safe charge as battery changes with age and use.

**Battery Temperature and Water Level Alert**

Temperature sensor measures the temperature of the electrolyte and alerts the operator if the temperature is out of range. Water level sensor measures the electrolyte level of the center cell and alerts the operator or maintenance staff to check water level – protects your battery from inattention.

**Characteristics (each station)**

Weight:	145 lbs; 65 kgs (each)
Dimensions:	27.0" H x 15.0" W x 17.5" D
Operating Temperature Range:	-4° to 104°F; -20° to 50°C
Enclosure, Standard:	Standard NEMA 1

**Charge Efficiency (max)**

97 percent

**Input Power**

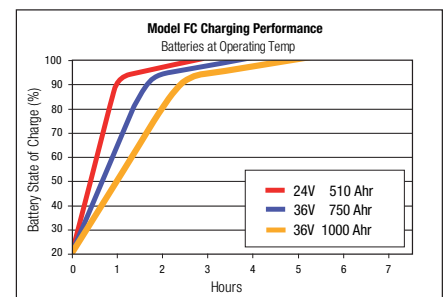
Voltage:	480/600 VAC, 3ph
Current:	30/24 A
Current, Circuit Rating:	40/30 A

**Output Power**

Maximum output power:	20.8 kW
Battery Voltage:	18 - 65 VDC
Output Current:	320 A
	400 A available with optional cable connector*

\* UL certification pending

Please note that Minit-Charger reserves the right to make changes to equipment, specifications and prices without notice.



**Minit-Charger technology.**

# Big results in a small package.



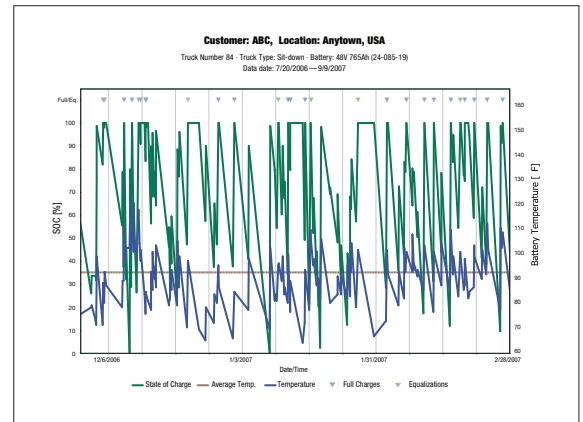
*A typical model FC charger installation*



## Easy, safe and cost-effective opportunity charging with the assurance of long battery life.

Many lift truck fleets use trucks that operate in moderate to heavy duty cycles and perform frequent and disruptive battery changes. To avoid battery handling safety issues and the loss in productivity from changing batteries, operators frequently use old style chargers while opportunity charging. Unfortunately, since conventional chargers do not have the charge control characteristics for opportunity charging, battery life is significantly shortened.

Minit-Charger's Model FC fast charger is built to maximize lift truck productivity while maintaining long battery life. Charge output is provided by a super efficient IGBT power section that comes in an ultra small package with post mounted footprint. Precision charge control is provided by the same patented technology found in higher output Minit-Charger fast chargers, thereby assuring maximum safe charge to the battery while assuring lower costs through long battery life. And just like our other fast charge products, the FC comes with our renowned Minit-Trak data management capabilities.



*Example Information from Minit-Trak Download*

Call us today to see how FC and our other fast charger products can work together to bring savings of 50% or more to your lift truck operations.

- ✓ **Minit-Charger patented technology with high power IGBT electronics in a cost effective opportunity charger**
- ✓ **Ultra compact footprint—allows installation in most locations**
- ✓ **Features include battery water level alert, 100% charging with automatic equalization**
- ✓ **Low power requirements**
- ✓ **Easy to use single connector**
- ✓ **Minit-Trak™ system and fleet management data**