



UMC SERIES

UNIVERSAL MAINTENANCE CHARGER



Protect your operation with a Universal Maintenance Charger from SAFT

- Multitap input
120/208/240/480 1 ϕ 60Hz
- Suitable for Nickel cadmium and Lead Acid Batteries.
- Filtered output can be used as a DC power supply
- Portable design



APPLICATIONS

- Power generation
- Substation/electrical distribution
- Process control
- Oil & gas
- Telecommunications
- Motive power
- Railroad
- Maintenance departments with battery responsibility

UMC USES

- Installations with multiple DC voltage buses
- High rate charging of a wide range of battery voltages
- Commission charging
- Readily available as an emergency station charger

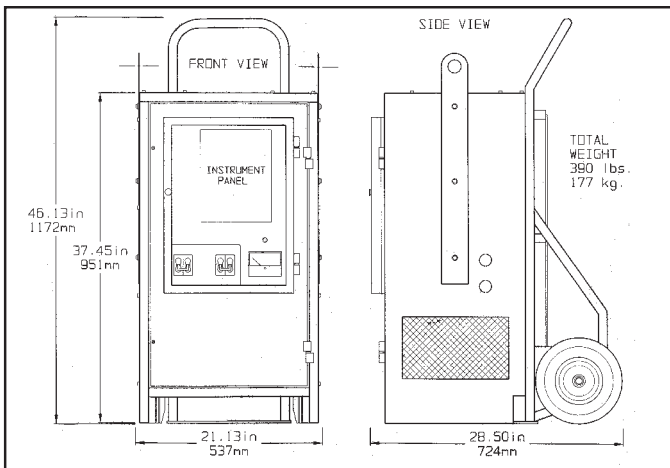
SPECIFICATIONS

- **AC Input Voltage:** 120, 208, 240, 480 $\pm 10\%$ 60Hz, single phase
Input current limited to 70 A max. Input current user adjustable
- **Output Voltage Regulation:** $\pm 1\%$ maintained with $\pm 10\%$ line voltage and $\pm 5\%$ frequency variation along with load variation of 0-100%
- **Transient Response:** $\pm 5\%$ for 20-100% load change with battery connected
- **Front Panel Current Control:** Current limit adjustable from 10-110%
- **Battery Charger Output Ripple:** 200mVrms without a battery connected
30mVrms with a battery Ah
4 times greater than the charger's output current rating
- **Metering:**
 - 1% digital dc output voltmeter, selectable for battery or charger output
 - 1% digital dc output ammeter
 - 2% analog ac input ammeter
- **Protection:** Input and output circuit breakers rated at 5KAIC



- **Environment Conditions:**
 - Operating: 32°-104°F (0-40°C), 5-95% humidity (non-condensing), below 3300 feet altitude
 - Storage: -20°-160°F (-29-71°C)
- Mounted on hand truck, supplied with lifting eyes
- **Finish:** ANSI 61 baked epoxy paint and galvanized

Outline and Dimensions



Specifications subject to change.

ORDERING INFORMATION		
Model	Output V	Part #
25A	20-140	UMC25S
50A	20-140	UMC50S

