

UMC SERIES

UNIVERSAL MAINTENANCE CHARGER



Be prepared for unexpected events with Alcad's Universal Maintenance Charger.

- Multitap input
120/208/240/480 1 ϕ 60Hz
- Suitable for Nickel cadmium and Lead Acid Batteries.
- Filtered output as a battery eliminator
- Offers instant mobility/availability

Delivering quality

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APPLICATIONS

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

DESIGN FEATURES

- Adjustable outputs of 24Vdc, 48Vdc, and 130Vdc
- Wide voltage adjustment allows user to charge virtually any number of cells from 20V to 140Vdc.
- Mounted on hand truck for immediate mobility with lifting eyes
- AC input accepts 120, 208, 240 or 480 Vac at 60Hz, single phase
- 2% analog ammeter for monitoring ac input current
- Input circuit breaker
- 1% digital dc output ammeter

- Front panel current limit adjustment allows operation on limited input feeder.
- 1% digital dc output voltmeter, selectable for battery or charger output
- Output circuit breaker
- 200mVrms max. ripple allows the charger to operate without a battery connected.

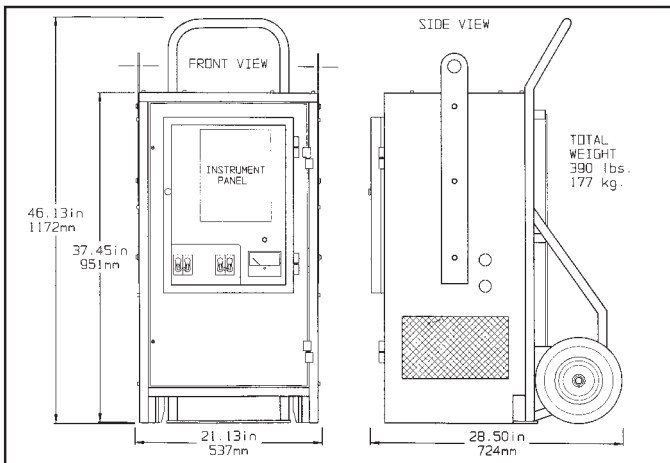
SPECIFICATIONS

- **AC Input Voltage:** 120, 208, 240, 480 $\pm 10\%$ 60Hz, single phase
Input current limited to 70 A max.
- **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



- **Operating Environment Conditions:** 32°-104°F (0-40°C), 5-95% humidity (non-condensing), below 3300 feet altitude
- **Storage Environment Conditions:** -20°-160°F (-29-71°C),
- **Protection:** Input and output circuit breakers rated at 5KAIC
480V input fused at 200KAIC
- **Finish:** ANSI 61 baked epoxy paint and galvanized

Outline and Dimensions



Specifications subject to change.

ORDERING INFORMATION		
Model	OUTPUT V	PART #
25A	20-140	UMC25
50A	20-140	UMC50

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