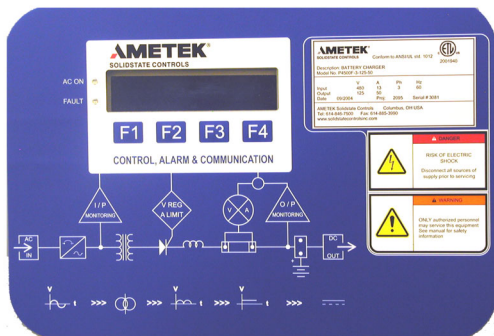


**INTELLIAMP Digital Battery Charger Systems**  
**Single Phase Input Voltage: 120, 208, 240, & 480**  
**Three Phase Input Voltage: 208, 240, 480, & 600**  
**Output Voltage: 12, 24, 48, 120, 240 VDC**  
**Other voltages available-contact factory**

The **IntelliAmp** Battery Chargers from AMETEK Solidstate Controls are thyristor-based systems designed for high efficiency conversion of incoming commercial AC to DC power for charging large banks of station batteries, while supplying power to continuous DC loads, such as Inverters.

This solid-state design utilizes SCR phase control to provide regulated DC output and limited current via a smoothing filter, it can operate with or without batteries. The **IntelliAmp** Battery Charger is intended for use in UPS systems, as well as a stand alone device for battery-charging-only applications.



- Latest digital & power electronics technology
- Reliable industrial design
- User definable control and alarm set-points
- Simultaneous Voltage and Current readings
- CE safety and EMC standards tested and compliant
- Built to ISO 9000 QA standards
- UL/CUL Approved

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## THE POWER BEHIND THE PROCESS®

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**AMETEK®**

SOLIDSTATE CONTROLS

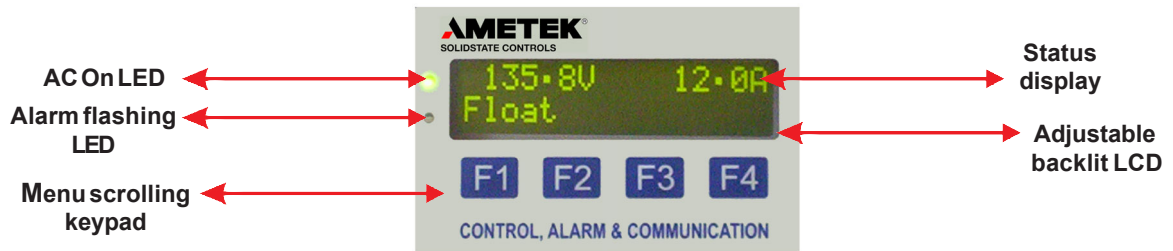
875 Dearborn Drive

Columbus, Ohio 43085

Phone: 614-846-7500 Fax: 614-885-3990

*The Purpose of our business is to provide continuity of electrical power to keep businesses in business.*

## Control Display:



The Digital Multilingual Display delivers all charger information at your fingertips. The user friendly display menu is the link between the operator and all monitoring control & alarms. All set points for control and alarm parameters are user-definable.

## Some Standard Features

### Metering, Alarms, & Controls

#### Logging, metering and timing:

- DC voltage and current metering (0.5% accuracy)
- Line frequency monitoring
- Rectifier ambient temperature
- Remaining and elapsed equalize time
- Event log (Up to 150 events)

#### Control modes:

- Current limit
- Negative slope regulation for load sharing

#### Indicating LEDs:

- AC 'ON' green LED
- Common alarm flashing red LED
- LCD contrast adjustment and sleep mode

#### Equalize controls & adjustments:

- Automatic or manual float/equalize
- Adjustable Float and equalize voltages
- Equalize period 0-100 hours
- Automatic equalize mode activation based on: time, low volts, charger start, AC fail, current limit
- Automatic equalize mode termination based on voltage, time and/or battery voltage event(s)

#### Alarm menu functions (password protected)

- Alarm acknowledgment and reset

#### Display default alarms:

- Battery high DC volts
- Positive/negative ground fault
- AC Power Failure

#### Factory or customer activated displayed alarms\*

- Rectifier high current
- High/low rectifier volts

\* Must be specified at time of order

#### Standard Electrical Specifications:

##### Basic design features

- ISO 9000 Quality control compliant
- SCR (Thyristor) based rectifier w/double wound isolation transformer
- Electronic control, current limiting and voltage regulation

#### Input:

Available voltages	120, 208, 240, & 480, 1-Phase
Frequency	208, 240, 480, & 600, 3-Phase
	60 Hz (50 Hz optional)

#### Output:

Standard nominal voltages	12, 24, 48, 120 & 240
AC ripple voltage (RMS)	12-24-48V 125V 250V
Unfiltered Units**	1% 2% 2%
Filtered**	30mV 100mV 200mV
Eliminator	30mV 100mV 200mV

\*\* Values are typical, measured at the terminals of a connected test battery with capacity 4 times the charger output current

#### Partial Option List

- Individual alarm form "C" contacts
- RS 232/485 communication ports
- MODBUS, DNP3 or ETHERNET
- Battery circuit breaker
- Battery ammeter and voltmeter
- Temperature Compensation alarm
- High Voltage shut down
- Low DC Disconnect
- Charger/Rectifier overload
- Audible alarm
- Latching alarms

Contact Factory for additional options

#### Standard Mechanical Specifications:

##### Mechanical and physical:

##### Enclosure

CEMA/NEMA1(IP20), 14GA (2mm) steel c/w hinged front access door

##### Finish

Standard powder baked ASA61, light gray

##### Cooling

Natural convection cooling up to 130A output current

Forced air cooling assistance for units over 130A output current N.B. Floor mounted models are provided with 3 in. (75mm) clearance at bottom to facilitate handling by lift truck, pallet truck or slings

#### Environmental:

##### Audible noise

< 65 dBA at 3ft (1meter)

##### Operating temperature range

32° F to 122° F (0° C to 50° C)/ Storage-40° F to 185° (-40° C to 85° C)

##### Operating humidity

Up to 95% (non condensing)

##### Altitude

3300 m (10,000 ft)

Specifications are subject to change without notice