



Hard Wired
Reliability

A2P & A3P

INDUSTRIAL BATTERY CHARGER



Vulcan Electric Inc.
205B Konrad Cres. Markham, Ontario, Canada L3R 8T9
Toll Free: 1-800-268-6949 • SALES@CHARGERS.CA • www.vulcanenergy.ca

A2P & A3P

INDUSTRIAL BATTERY CHARGER

Vulcan Electric Models A2P and A3P use the Vulcan IND microprocessor “microsmart” controller in these industrial grade forklift battery chargers.

Standard Control Features

- Microprocessor control with start stop and equalize inputs, and start up prestart test function.
- Field adjustable for 8,12, or 16 hour charge times.
- Field adjustable for flat or tubular plate algorithms.
- Factory presettable for time delay start.
- Maximum charge time shut down feature.
- LED feedback for quick problem diagnosis.
- Auto refresh function as required during extended down periods.
- Auto shut off when battery is disconnected, (using start/stop button is recommended)
- Auto restart in the event of a loss of AC voltage, with charge cycle memory.

Standard Charger Features

- Thermally protected, conservatively rated heavy duty copper wound transformer. Rated output is at nominal voltage not discharged voltage.
- Fin type extruded aluminum heat sink to properly dissipate heat.
- Heavy duty 85 amp 600V stud mount diodes.
- NEW DESIGN - Side Display cabinet galvanized 18 Gauge steel.
- NEW DESIGN - 3 sided full service access doors, for ease of field service
- NEW FEATURE - Vulcan precision digital ammeter now standard. The LED display offers improved visibility in all lighting conditions.
- DC auto resetting circuit breaker protection.
- Heavy duty AC mains contactor.
- Construction using readily available North American components.
- Thermally protected industrial fan.
- Downdraft cooling system keeps inner workings free of ground debris and dirt.
- CSA approved products. ESA approval on some models Canada support network of parts and service people.
- Toll free help line at 1-800-268-6949.
- Canadian made since 1896.

Input Voltages

- A2P Models: 208-240 VAC Single phase 60 Hz.*
- A3P Models: 208-240 VAC Three phase 60 Hz.*
- A3P Models: 550-620 VAC Three phase 60 Hz.*
- * see model sheet for available sizes.

Output Voltages

12, 24, 36, 48, 72, 80 VDC
See model sheet for output current availability.

Dimensions

Height	Width	Depth
22 3/4 in. (578mm)	27 3/8 in. (695mm)	17 5/16 in. (440mm)

Warranty

Five year limited warranty on the transformer and rectifiers, three years on the controller.

IMPORTANT NOTE: Euro ratings are different.

Vulcan chargers are output rated at the nominal voltage (e.g:24, 36, 48). Euro type chargers are output rated at the batteries' discharge voltage. This means an “equally labelled” output rated Euro outputs approximately 80% of a standard Vulcan charger. This can have a significant effect on performance and battery life.