

CUSTOM BUILT AC TO DC POWER SUPPLIES WITH EITHER 1PH OR 3PH INPUTS

Custom built power supplies with single phase inputs
DC outputs from below 1A up to 500A

Open type or enclosed, portable or fixed

Naturally air cooled or forced air cooled

With accessories such as metering, indicators, mains isolators, with input fuse or MCB or output semi conductor fuse protection

Output smoothing available on some types



Three phase with no smoothing

A comprehensive range of custom built power supply units with either single or three phase inputs. Single phase units have a high output ripple of 48% with conventional full wave bridge rectifiers. Three phase units have a much lower output ripple of 6% with conventional full wave bridge rectifiers. These values of ripple can be reduced to lower levels with output smoothing where practical, and where quantities are sufficient.

Units can be open or enclosed and can be supplied with separate transformers and bridge rectifiers with suitable heat sinks. Cooling can be either naturally air cooled or forced air cooled with the use of AC or DC fans. AC and DC metering, status indicators, mains isolator switches and input and output protection can also be fitted.

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Power supply type	Description	Ripple	Maximum input voltage	DC output current
Open type single phase input with DC output	Single phase transformer and bridge rectifier with no output smoothing	48%	Up to 1000V AC 2 wire	1A-500A DC
Open type three phase input with DC output	Three phase transformer and 3ph bridge rectifier with no output smoothing	6%	Up to 1000V AC 3 phase	5A-500A DC
Open type single phase input with smoothed DC output	Single phase transformer and bridge rectifier with output smoothing	5% to <48%	Up to 1000V AC 2 wire	1A-500A DC
Open type three phase input with smoothed DC output	Three phase transformer and 3ph bridge rectifier with output smoothing	3% to <6%	Up to 1000V AC 3 phase	5A-500A DC
Enclosed type single phase input with DC output	Single phase transformer and bridge rectifier with no output smoothing	48%	Up to 1000V AC 2 wire	1A-500A DC
Enclosed type three phase input with DC output	Three phase transformer and 3ph bridge rectifier with no output smoothing	6%	Up to 1000V AC 3 phase	5A-500A DC
Enclosed type single phase input with smoothed DC output	Single phase transformer and bridge rectifier with output smoothing	5% to <48%	Up to 1000V AC 2 wire	1A-500A DC
Enclosed type three phase input with smoothed DC output	Three phase transformer and 3ph bridge rectifier with output smoothing	3% to <6%	Up to 1000V AC 3 phase	5A-500A DC

