

# EOL/HBC Euro SERIES

AC/DC Single Output: 200-2500 Watts



## Features

- 200W, 300W and 500W Plug-in Rectifier Modules
- Industrial grade design
- 200W modules 3U x 14HP x 220mm
- 300W and 500W modules 4U x 16HP x 304mm
- Input - output fully isolated
- Overload and overvoltage protection
- **N+1** Redundancy/parallel operation
- Any output from 12 - 130VDC possible
- Suitable for a wide range of industrial applications
- EMC EN55022 Class A
- Battery charging options

## General Specifications

<b>Input Voltage:</b>	115/240VAC (link selectable)
<b>Input Protection:</b>	Inrush current limiting and input fuse
<b>Isolation:</b>	Input - Output 3750VDC
<b>Efficiency:</b>	Model dependant, typically 80%
<b>Output Voltage:</b>	See tables (any voltage from 12 - 130V)
<b>Output Power:</b>	Modules: 200W, 300W and 500W 3U Rack up to 6 x 200W modules 4U Rack up to 5 x 300W or 500W modules
<b>Voltage Adjustment:</b>	±5% (front panel adjustment) Other options on request
<b>Regulation:</b>	Line: ±1% Load: ±2%
<b>Output Protection:</b>	Over voltage protection Current limiting and short circuit protection Thermal shutdown
<b>EMI:</b>	EN55022 Class A
<b>Immunity:</b>	EN61000-4
<b>Operating Temp:</b>	0°C to 50°C at full load Derate 2.5% per°C from 50°C to 70°C
<b>Cooling:</b>	Convection cooled
<b>Parallel:</b>	Modules with built-in isolation diode for parallel and N+1 redundancy operation
<b>Alarm:</b>	Optocoupler alarm on modules DC Fail Alarm (voltage free contacts on Rack)
<b>Indicators:</b>	LED on front panel Test points on front panel
<b>Connections:</b>	DIN4162-H15 modules Screw terminals on rear of Rack
<b>Dimensions &amp; Weight:</b>	ELO53: 3U x 14HP x 220mm      2Kg LOT65/HBC419: 4U x 16HP x 304mm      2.6Kg

## Description

The **EOL and HBC** series AC/DC power supply is an Industrial Grade product, specially designed for 3U and 4U x 19in Rack Power Systems, with a number of power supply modules connected in parallel.

The rack power systems are fully assembled and configured to customer specifications for voltage and power requirements. Each module is a Plug-in unit, able to be inserted or removed from the rack without interruption to the power.

The 3U x 19in Rack can take up to 6 x 200W modules and the 4U x 19in Rack can take up to 5 x 300W or 500W modules in parallel.

Best suited to powering critical loads where continuous power is required, in addition, systems can be designed with battery back-up and various alarms.

Furthermore, a number of racks can be connected in parallel for high power systems.

## Options

- Output Voltage:** For special voltage outputs, consult office.
- Rack Systems:** Power Systems with meters and distribution breakers.
- Ruggedising:** Modules can be supplied with conformal coating of PCBs and a high level of ruggedisation for harsh environments.

Model	Output Voltage Options V	Maximum Output A	Power W
EOL53	12 - 130V	25A	200W
LOT65	12 - 130V	35A	300W
HBC419	12 - 130V	40A	500W

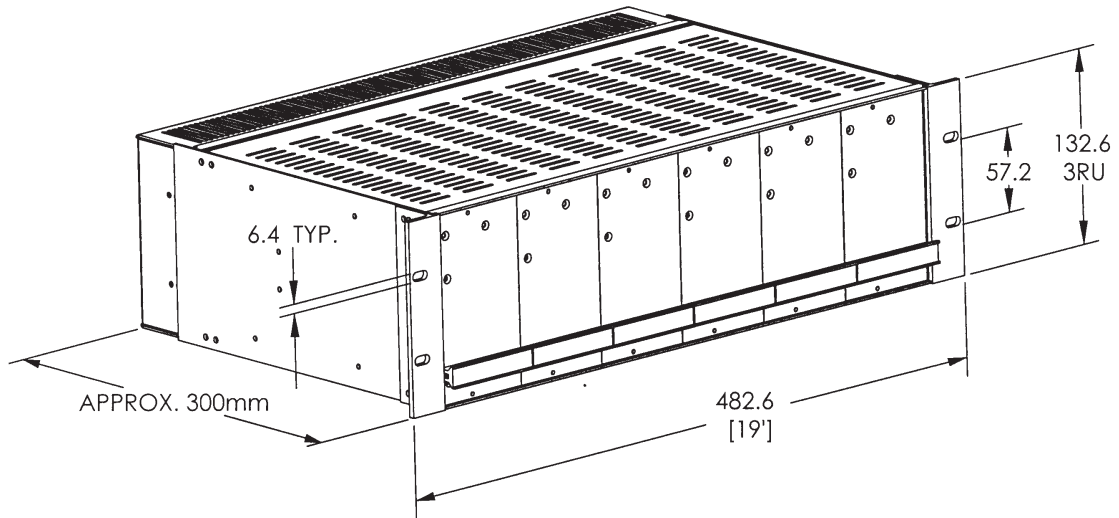
## Model Selection:

1. Any output voltage is possible within the range of 12 - 130V
2. Input and output voltage settings are customer specified and factory set.
3. Output current must not exceed the maximum indicated.
4. Part number will be allocated at the time of order.
5. A number of units can be connected in parallel for increased power and N+1 redundancy applications - option.

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### 3U x 19in Rack Systems (Using 200W modules)



### 4U x 19in Rack System (Using 300/500W modules)

