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PFC-1000LF Univerter Series

1000 Watts
 PFC Front End
 Full Brick

The UniVerter PFC-1000-LF module accept 170-265 VAC and converts it to 380 VDC to power 300VDC input DC-DC converters. Power factor correction meets low harmonic distortion requirements of IEC 1000-3-2 and the new European EN55022 emissions specification when used with the Model HH-1199-6 EMI filter. UniVerter modules utilize a boost converter incorporating a solid state series switch for active inrush and short circuit current limiting. The series switch is also used to provide over temperature shutdown with automatic recovery.



Operational Features

- Lead-Free / RoHS Compliant Design
- 1000 Watts Output Capability
- Near Unity Power Factor & Very Low Harmonic Distortion
- High Efficiencies & Extremely Low Thermal Resistance
- -40 ~ 100°C Baseplate Operation
- Active Inrush Current Limiting & Short Circuit Protection
- Power Fail Warning via DC OK Signal
- Auxiliary (housekeeping) Supply Output (PV pin)
- Enable Signal to Control downstream DC/DC Converters
- Safety Agency Approved to UL/cUL 60950 (pending)
- Two Year Warranty

Typical Applications

- Aerospace
- Civil Avionics
- Military / COTS
- Industrial Control
- Telecommunication

Model Selection

Model Number	Input Range (VAC)	Output Voltage (VDC)	Output Power (Watts)
PFC-1000-LF	170-265	380	1000

www.astrodyne.com
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Astrodyne USA: 1-800-823-8082
 Astrodyne Pacific: 886-2-26983458

