

DC RECTIFIERS

GROUND POWER UNITS -GPU
35 A – 1000 Amps at 28 VDC

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DC Rectifiers are designed to give continuous high quality DC power for helicopters, aircraft servicing in workshops, on the ramp or in the field, diagnostic work, pre-flight checks, charging onboard battery or for continuous powering of equipment during operations without draining onboard aircraft batteries.

We can also deliver aircraft Ground Power Unit (GPU) consisting of these DC rectifiers which are practically a mobile unit that powers, or starts, aircraft, whilst on the ground. Ground power units usually provide either 28V DC or 115V 400Hz AC, although certain aircraft will require a more specialized power derivative. Please also refer to our SFC catalog for 400Hz, AC supply units.



Applications:

- Civil Aviation
- Naval, coast Guard, Air Force
- Laboratories
- Substations
- Oil & Gas
- Ports & Shipping
- Airport Infrastructure

Features

- Static IGBT based Digital PWM Technology
- Conforms to IEC 62040-1-2-3
- DSP based user friendly diagnostics and controls
- High efficiency
- Multiple output voltage options available
- Low input harmonic distortion
- Input unity power factor
- IP-42 enclosure protection for harsh site conditions
- Indoor or outdoor enclosures

ENGINEERED FOR RELIABILITY
MANUFACTURED FOR EASY MAINTENANCE



An ISO 9000 and 14000 certified MSME registered manufacturing company

Technical Specifications

INPUT	
Voltage	380/400/415V +/-15%, AC 3 Phase, 4 wire + E
Frequency	45 – 55 Hz
Input current harmonics THDi	< 5% at 100% load
Input Power factor	Unity
OUTPUT	
Voltage	28VDC +/- 1% or any other voltage
Capacities	35 A – 1000 Amps continuous
Efficiency	Better than 90%
Ripple	Less than 0.5%
Galvanic isolation	Isolation transformer inbuilt
CONNECTIVITY	
Physical	RS 485
Protocols	MODBUS RS 485 MODBUS TCP/IP Monitoring by Web and SNMP
ENVIRONMENTAL	
Ambient temperature	Up to 45 degree
Relative humidity	Up to 95% RH, non-condensing
Noise	< 65dBA
MECHANICAL	
Enclosure material	CRCA mild steel
Protection class	IP-20 or any other up to IP-42
REF STANDARD	IEC 62040-1-2-3

Technical Support

Our inhouse sales and engineering teams are available to answer you immediately on selection of right transformer for your application. They are technically trained and can answer most questions on the phone. Drawings, documentation, expediting, quotations, or technical information are always readily available. Our commitment to sales support is paramount and it means you will be an informed, relaxed, and satisfied customer as quickly as possible. Call our sales team or mail us at info@livelineindia.com or visit our website.



LIVELINE ELECTRONICS

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All information contained in this brochure are subject to change without prior notice.

Our systems are manufactured in an ISO9000 & 14000 certified plant.

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