

DC - AC INVERTER



APPLICATIONS

- ◆ Telecommunication System.
- ◆ Computer System.
- ◆ SCADA System.
- ◆ Automobiles.
- ◆ Yachts / Boats.
- ◆ PA Systems.
- ◆ Building Automation.

STANDARD FEATURES

- ◆ Standard 19" / 21" rack enclosure.
- ◆ Modular Design.
- ◆ MOSFET / IGBT Technology.
- ◆ Input Power Reverse Polarity Protection.
- ◆ Input / Output Under-voltage / Over-voltage Protection.
- ◆ Output Overload and Short Circuit Protection.

OPTIONAL FEATURES

- ◆ Custom-built Enclosure.
- ◆ Analog / Digital Meters for DC Voltage, AC Voltage, AC Current, Frequency and Load Level Meter.
- ◆ LCD Message Display for Instrumentations and Multi-alarms.
- ◆ RS 232 / Dry Contact Communication Interface.
- ◆ Static By-pass / Mechanical Change-over from Inverter to Mains and Vice-versa.

GENERAL TECHNICAL SPECIFICATIONS

INPUT

DC Voltage : 12V / 24V / 48V / 110V.
Voltage Tolerance : -15% +25%.

OUTPUT

AC Voltage : 100V / 110V / 120V or
220V / 230V / 240V.
Frequency : 50 / 60Hz.
Voltage Stability : +/-3%.
Frequency Stability : +/- 0.5%.
Current Crest Factor : 3.
Waveform : LIH type - Pure Sine Wave.
LIE type - Modified Sine Wave.
T HD (LIH type only) : 3% with Linear Load.
Overload Capability : 110% for 5 min.
: 150% for 30 Sec.
: 300% for 20 mSec.

PROTECTIONS

Input : MCB and MOV Surge Suppressor.
Output : MCB and Electronics Current Limit for Overload and Short Circuit.
: MOV for Surge Suppressor.

INDICATORS

: Input on LED.
: Output on LED.
: Input Voltage Out-of-Range LED.
: Output Overload LED.

ENVIRONMENTAL

Temperature : 0 to 40 Deg. C.
Humidity : 0 to 95% Non-condensing.
Audible Noise : Not more than 50 dBA at 1 meter.

LI Series

LDC Series DC - DC CONVERTER



APPLICATIONS

- Telecommunication system.
- Computer system.
- Industrial control.
- Automobiles.

STANDARD FEATURES

- Standard 19" / 21" rack enclosure.
- Modular design.
- MOSFET / IGBT technology.
- Input / Output under-voltage, over-voltage protection.
- Input power reverse polarity protection.
- Output overload and short circuit protection.

OPTIONAL FEATURES

- Custom-built enclosure.
- Analog / Digital meters for input / output voltage & current.
- LCD display for metering.
- LCD message readout for multi alarms.
- RS 232 / dry contact communication interface.
- Parallel connections to increase output current capacity.

GENERATION TECHNICAL SPECIFICATIONS

INPUT

Voltage DC : 12V / 24V / 48V / 110V.
Voltage tolerance : -15% to +25%.
Ripple / noise : Not more than 1%.

OUTPUT

Voltage DC : 12V / 24V / 48V / 110V.
Ripple / noise : 1% or 2mV psophomorphically weight for communication equipment.
Voltage stability : +/- 1% against input voltage and 100% load variation simultaneously.
Current limit : 105% of rated output.
Short circuit current : 10% of current rating with current fold-back function.

PROTECTION

Input : MCB / Fuse and MOV surge suppressor.
Output : MCB / Fuse and electronics current overload and short circuit.
: MOV for surge suppressor.

ENVIRONMENTAL

Temperature : 0 to 40 deg.C.
Humidity : 0 to 95% non-condensing.
Audible noise : Not more than 50dBA at 1meter.