LIBRA 3000 SERIES

DC/AC INVERTER 3-PHASE 10-500 KVA

LIBRA 3000 Series inverter is a DC input powered device designed to generate a stable three-phase AC output. Fully controlled by a microprocessor-based system, it ensures precise regulation of output voltage and frequency while delivering reliable and high-quality power for a wide range of mains-powered equipment.

With its robust design and advanced control architecture, the LIBRA 3000 Series provides fast response to load variations and maintains consistent performance under demanding operating conditions. Built-in protection features and high efficiency make it a dependable solution for industrial, commercial, and critical power applications where durability and stable power supply are essential.

GENERAL SPECIFICATIONS

- 3-Level IGBT Technology
- Multiprocessor Digital Control
- 256 detailed real-time event logs
- Data analysis via the user panel
- RS232, RS485 communication port and dry contact outputs
- Special production input-output values according to needs
- Models with 3-phase output
- SNMP compatible communication
- Remote monitoring and management

3 - PHASE INVERTER

APPLICATIONS

DC/AC INVERTER 3-PHASE 10-500 KVA

MODEL	LIBRA - 3000
General	
Nominal Power (kVA)	10-500 Kva
Technology	IGBT
Communication (optional)	RS485, SNMP, Relay Contacts, Modbus
Emergency Power Off (EPO)	Available
Display	Alphanumeric or Graphical lcd screen
Efficiency	> 90%
Accessories (Optional)	Remote Monitoring Panel
Input	
Input Voltage	48 / 96 / 110 / 220 / 400 Vdc (Optional)
Output	
Output Voltage	220 / 230 / 240 V 3PH+N+PE 50/60/400 Hz
Voltage Regulation	±1% (balanced load) ±2% (unbalanced load)
Frequency	50/60/400 Hz
Protection	Electronic overcurrent protection, Votage low and high protection
THD	≤2% (Linear load) & ≤5% (Non-linear load)
Power Factor	0.8 (0.9 and 1 optional)
Enviromental	
Operating Temperature	0°C - 40°C
Storage Temperature	-15°C+ 50°C
Relative Humidity	< 95% Non condensing
Altitude	< 1000m
Protection Class	IP 20 (Higher Ratings are Optional)