



**1**  
Ph Output

# INVERTERS

## 3 -10 kVA



3 LEVEL  
INVERTER



TOWER



RACK



EASY  
SERVICE



BATTERY  
CONNECTION



MARITIME



MEDICAL



TRANSPORTATION



INDUSTRY



TELE-  
COMMUNICATIONS



## SPECIAL PRODUCTS

# INVERTERS

INV series 1 phase output frequency inverters are digital microprocessors controlled products to run your mission critical equipment.

DC/AC Inverters provide quality energy for your critical loads by converting the voltage in the wide input voltage range (48-400 Vdc) to the desired voltage and frequency values with IGBT technology.

- 3-Level IGBT Technology
- Multiprocessor Digital Control
- 256 detailed real-time event logs
- Data analysis via the user panel
- Bypass option
- RS232, RS485 communication port and dry contact outputs
- Special production input-output values according to needs
- Models with 1-phase output
- SNMP compatible communication
- Remote monitoring and management software

# INVERTERS INV SERIES

Input	
Voltage	48 / 96 / 110 / 220 / 400 Vdc (Optional)
Frequency	45-65 Hz
Output	
Power (kVA)	3 kVA - 10 kVA
Voltage	220 / 230 / 240 V 1PH+N+PE 50/60/400 Hz (other types special order)
Voltage Regulation	±1% (balanced load) ±2% (unbalanced load)
Frequency	50/60 Hz
Frequency Stability	±2%Hz (free running)
Efficiency	≥ 90%
Overcurrent Protections	Electronic protection
Voltage Protection	Vac voltage low and high protection
THD of Output Voltage	≤2% (Linear load) & ≤5% (Non-linear load)
Load Power Factor	0.8 (0.9 and 1 optional)
General	
Power Module	IGBT
Font Panel	Alphanumeric or Graphical lcd screen, Led bar satatus
Control Buttons	5 buttons
Bypass	Available as option
Bypass Isolation	Available as option
Parallel Operation	Available as option
Alarm Buzzer	Available
Emergency Power Off (EPO)	Available
DC Input Protection	3 level alarms
Communication Ports (Optional)	RS485, Genset, SNMP, GSM Modem, Relay Contacts, Input Contacts, Modbus and USB
Battery Temprature Sensor Contact	Available
Remote Display	Available
Ambient Conditions	
Operating Tempature	0°C - 40°C
Storage Temperature	-15°C / +50°C
Proposed Temp. To Extend Battery Life	20 - 25°C
Relative Humidity (%)	<95% non condensing
Altitude	<1000m
Protection Class	IP20 (Higher IP Ratings are optional)

The company reserves the right to change specifications and designs without notice.



INNOVATIVE ENERGY SYSTEMS

[www.innovasis.com.tr](http://www.innovasis.com.tr)

The company reserves the right to change specifications and designs without notice.