

# Inverter Systems

DC / AC Power Supply  
1.5 kVA to 10 kVA

- ▶ Microprocessor controller
- ▶ Rack Mountable Compact structure
- ▶ Full sinusoidal output
- ▶ High output surge capacity
- ▶ Built in output isolation transformer
- ▶ Bypass switch (optional)
- ▶ Programmable online/offline operation
- ▶ Easy control and monitoring via 2x16 character LCD display, status leds & keypad
- ▶ RFI Filter at battery input



## Accessories

- ▶ Bypass switch
- ▶ RS232 communication port
- ▶ Remote Monitoring Panel
- ▶ Dry Contact Board

Static inverter modules convert DC power to sinusoidal 230V AC power, to support your critical equipment in telecom and industrial systems. Inform Inverter offer a continuous and reliable power conversion to the connected devices.

Inform Inverter is designed in a wide range of power and input / output voltage options. With its high inrush capacity, it is very proper solution especially for industrial equipments. Semiconductor devices with latest technology used in Inform inverter series, provides a high efficiency in power conversion.

Inform inverter series take all the advantage of microprocessor control thus smart control and diagnostics are possible. For example, after detecting a short circuit at the output, inverter protects itself, but it will retry to feed your load after a specified time. Many of the operational parameters are programmable by the LCD display and keypad. Moreover, inform inverter offers optional communication interfaces for site monitoring and remote control.

## Inverter Systems Technical Specifications

MODEL	INV1524	INV2524	INV2048	INV3048	INV5048	INV20110	INV30110	INV50110	INV100110	
Power (VA)	1500	2500	2000	3000	5000	2000	3000	5000	10000	
<b>INPUT</b>										
Nominal Voltage	24 VDC		48 VDC			110 VDC				
Voltage Range	20-40 VDC		40-80 VDC			90-140 VDC				
Current (Maximum)	75 Adc	121 Adc	48 Adc	71 Adc	120 Adc	21 Adc	29 Adc	50 Adc	97 Adc	
<b>INPUT</b>										
Power Factor	0,75									
Phase Configuration	IPh + N + PE									
Nominal Voltage (AC)	220V / 230 / 240V (adjustable)									
Output Current	6,5 A	10,8 A	8,7 A	13 A	21,7 A	8,7 A	13 A	21,7 A	43,5 A	
Wave Form	Pure Sinewave									
Total Harmonic Distortion at 100% linear load	< 3%									
Frequency	50Hz or 60Hz (adjustable)									
Crest Factor	2,5:1	2:1	3:1	2:1		3:1				
Overload (up to 5 sec)	6 minutes at 101% load - 10 seconds at 125% load									
Total Efficiency	86%			89%			92%			
<b>DISPLAY</b>										
LED Display	Load on Bypass, Load on INVERTER, Alarm									
LCD Display	Load Percentage, Output Voltage, Battery Voltage, Input Voltage, Inverter Frequency, Battery Percentage, Maximum Load Percentage, Synchronization Status, Alarms									
Alarms	Load on Bypass, Overload, Bypass Failure, Output Low / High, Over Temperature, Battery Voltage Too Low / Low / High, Short Circuit / IPM Fault									
<b>PROTECTION</b>										
	Output & Input Fuse, DC Under/Over Voltage, Overload, Short Circuit Fault, Over Temperature									
<b>COMMUNICATION</b>										
Interface (Communication ports)	Optional RS232 port, SNMP, Dry Contact Cards									
<b>ENVIRONMENT</b>										
Operating Temperature	0°C - 40°C									
Storage Temperature	-20°C - +70°C									
Humidity	up to 90% (non-condensing)									
Protection Class	IP20									
Operation Altitude	up to 2000 masl									
<b>PHYSICAL SPECIFICATIONS</b>										
Dimensions (mm) (WxDxH) - Rack Version 19"	440x500x222	440x500x222	440x500x222	440x500x222	440x600x222	440x500x222	440x500x222	—	—	
Weight (kg) - Rack Version 19"	40	45	40	45	55	40	45	—	—	
Dimensions (mm) (WxDxH) - Tower Version	—	—	—	—	—	—	—	500x450x1000	500x450x1000	
Weight (kg) - Tower Version	—	—	—	—	—	—	—	110	120	
<b>ACCESSORIES</b>										
Optional	Remote Monitoring Panel									