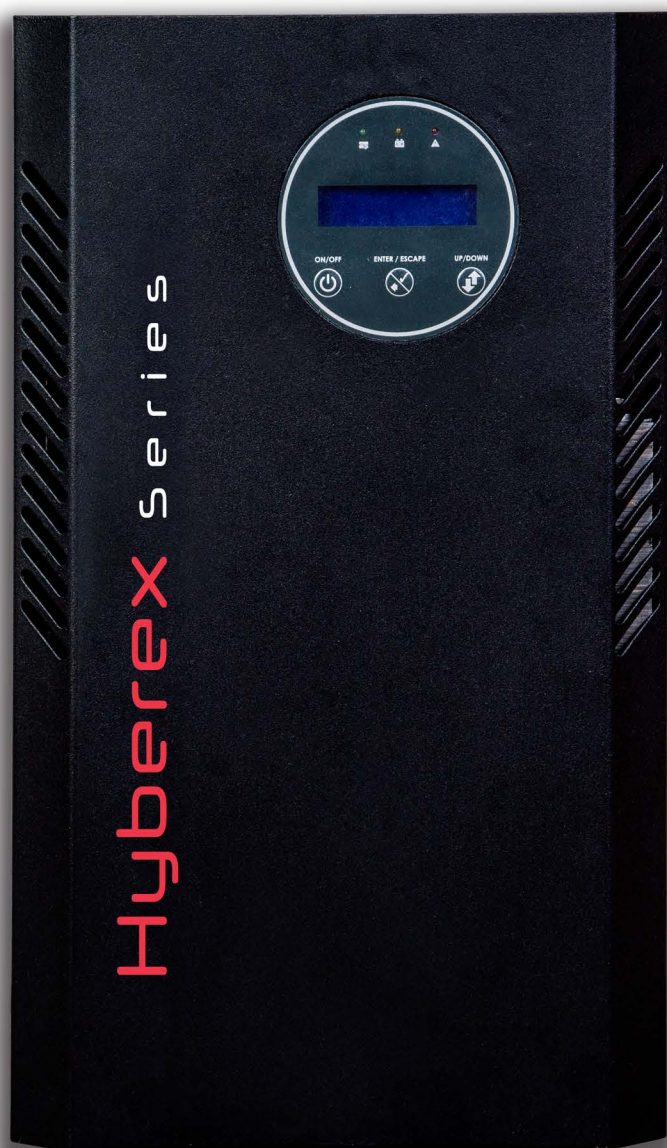


HYBEX SERIES

HYBRID SINEWAVE
INVERTER/CHARGER/SOLAR
SYSTEM
From 1000W to 6000W





HYBEX IS AN MULTI **FUNCTIONAL INVERTER/CHARGER SYSTEM**

Including Powerful Battery Charger with Bypass Function and optional solar function designed for high inrush currents, motor and industrial applications.

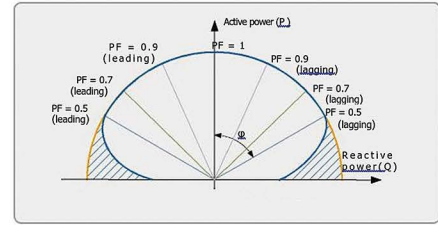
User Friendly LCD Displays Offers User **Configurable and Easy Accessible Operation**



- Pure Sinewave Output for Critical Loads
- Output Power Factor 1 (kVA =kW)
- Digital Microprocessor Controlled Technology
- User Friendly LCD Display
- 1-50A Charging Current for Long Back up Time
- Battery Discharge Protection
- Overload and Short Circuit Protection
- Voltage, Spike, Lighting and Surge Protection
- Built-in Automatic Voltage Regulator
- Adjustable Voltage, Frequency and Battery Current
- Extended Battery Life with Intelligent Battery Management
- Electronic Generator Mode for Special Application
- Low Noise Level with Smart Fan Speed Control
- Fault Alarms and State Warnings
- Intergrated Self Diagnostics
- Auto Restart While Ac is Recorvering
- Cold Start Function
- Sleep Mode for Energy Saving
- Powerfactor Correction at Battery Operation
- Low Output THD on Battery (<3%)
- Easy Installation and Maintenance
- Compact Size and Light Weight

POWER FACTOR 1= REAL POWER (kW)

Real full power factor of 1 (kW=kVA) rate provides 25% more active power compared to traditional inverters.



WIDE INPUT VOLTAGE TOLERANCE

Wide input voltage range of -55% to +25% allows inverter to work with harsh utility conditions and charge the batteries at low voltage conditions.

HIGH INRUSH CURRENT AVAILABILITY

Hyberex is designed to handle high inrush currents (three times of nominal current). Suitable for motor applications, air conditions and industrial heavy loads.

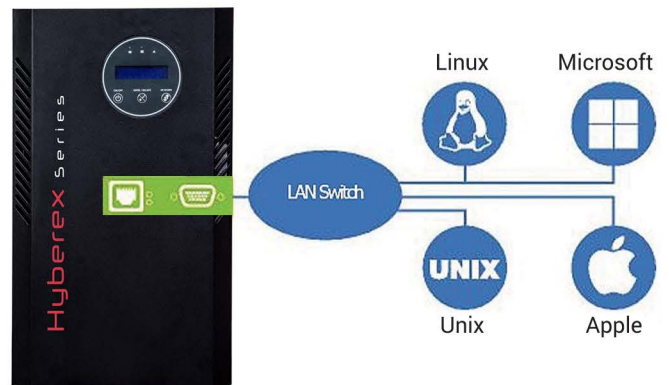
ADVANCED USER INTERFACE

Hyberex inverter has large and user-friendly LCD display that provides operating information. Thanks to LCD display all parameters of working device can be monitored and controlled. Hyberex is capable of recording events.



SOFTWARE & CONNECTIVITY SOLUTION

- Local communication with RS232
- 2pcs configurable input contact.
 - Relay board with alarms.
 - GenSet contact.
 - EPO contact
 - USB.
- Remote Monitoring Panel.
- Battery Temperature Sensor for Temperature Compensated Charging.
- Modbus Local connection.
- SNMP IT Manager monitoring.
- Environment sensors for Data Centers (Humidity, Temperature, Smoke, etc.).
 - PC & Server shutdown.
- Web page remote monitoring.
- E-mail alarm reporting.



Hybrex Series

MODEL	HYB 1000	HYB 2000	HYB 3000	HYB 4000	HYB 5000	HYB 6000
Capacity (VA)	1000	2000	3000	4000	5000	6000
Input						
Adjustable Voltage Range	165VAC-280VAC (At AVR Mode)					
Frequency	100VAC-280VAC (Without AVR Mode)					
	50 or 60Hz ±5%					
Output						
Power Factor	1					
Voltage (At Battery Operation)	220VAC/230VAC/240VAC ±5%					
Wave Form	Sinewave					
Frequency (At battery operation)	50 or 60Hz ±5%					
Voltage Tolerance	+-%10 (At Avr Mode), -+%2 (At Battery Mode)					
Transfer Time	4/6 ms					
Over Load	110% load 20 sec., 125% load 5 sec.					
Output Connection	Terminal					
Battery						
Type	Maintenance Free					
Voltage	24 vdc	48 vdc	72 vdc			
Charge Current	1-20A (Standard)/40A(Optional)			1-30A (Standard)/50A(Optional)		
Protection	Protection Against Excessive Heat, Voltage, Current & Deep Discharge Protection, Battery Reserve Connection Protection (Optional)					
Display Panel						
	Input Voltage and Frequency, Output Voltage Tolerance, Frequency, Load Percentage, Battery Voltage, Warnings, Total Operation Time, Inside Temperature, Operation Mode					
Alarms						
	Mains Failure, Battery Low, Ower Load and Over Current, High and Low Voltage, Over Heat					
Protections						
	Spike Protection (320 joule, 2ms), Over Load, Short Circuit, Over Heat Protection, Over Voltage Protection, Battery Deep Discharge Protection					
Connections						
Interface (Optional)	RS 232, Output Relays, Input Contacts, Epo, Battery Temperature Sensor					
Options	Modbus, Solar Connection, Remote Panel, Software and SNMP					
Envorinment						
Operating Temperature	0-40 °C					
Humidity	< 95%					
Audible Noise (From 1m Distance)	< 40 dBA					< 45 dBA
Protection Class	IP20					
Physical Characteristics						
Dimensions HxWxD(mm)						
Net Weight (Kg)						
Compliance						
Standards	EN 62040-1-1 (Safety), EN 62040-2 (EMC)					



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

www.innovasis.com.tr