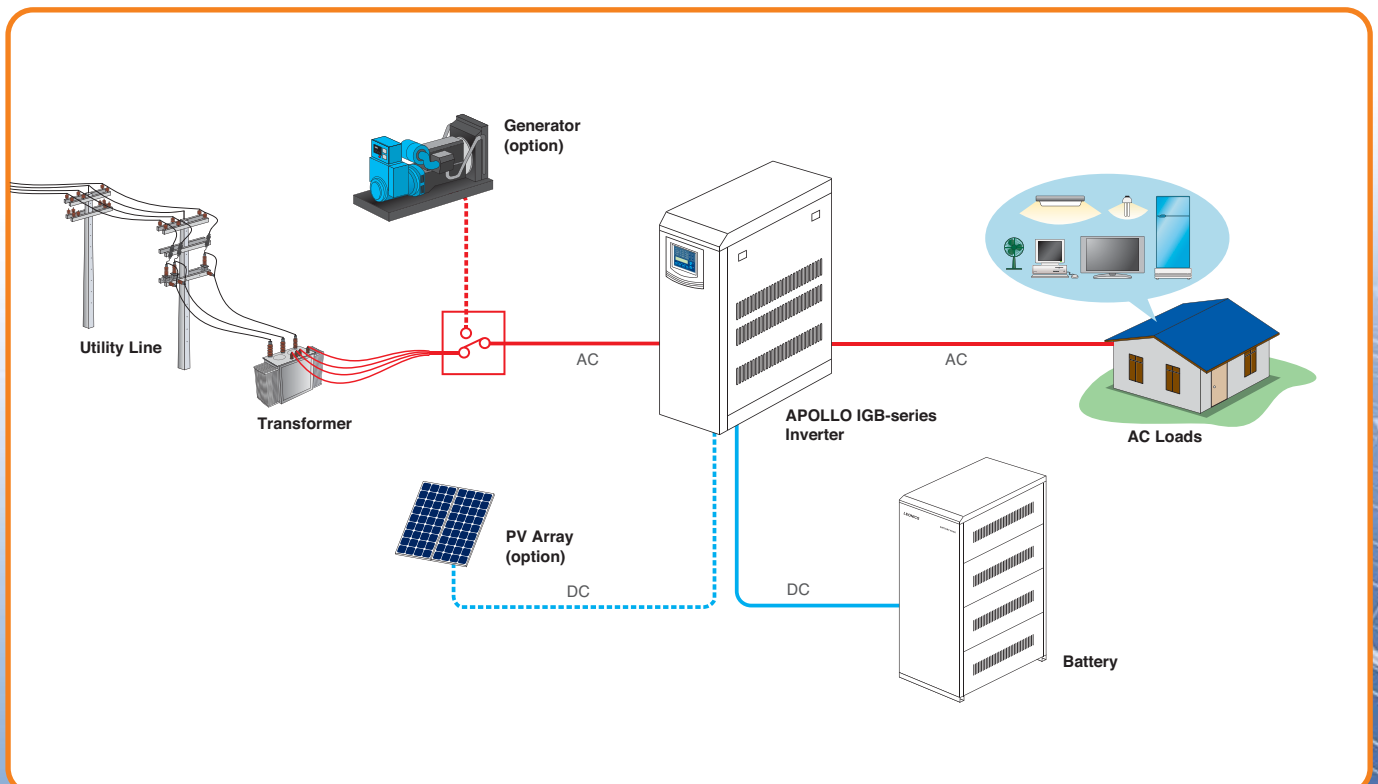


APOLLO IGB-series

Inverter for 1-Phase Input System



- Single phase inverter with battery backup capability
- Built-in output isolation transformer
- 20kHz PWM inverter
- Integrate PWM with MPPT charge controller (option)
- Low total harmonic distortion (less than 3%)
- EMI/RFI and power line noise protection
- Surge and spike protection
- Overload and short circuit protection
- RS-232 serial interface communication port
- Remote status interface (option)
- Manual bypass switch (option)
- ISO 9001 and ISO 14001 certified factory



SPECIFICATIONS

MODEL		IGB-3K		IGB-5K		IGB-10K	
INPUT							
Inverter mode	Nominal voltage	360 Vdc					
	Voltage range	320 - 420 Vdc					
Charge mode	Nominal voltage	220 Vac					
	Voltage range	165 - 264 Vac					
	Frequency	50 / 60 Hz ± 6% at nominal voltage					
PV input		Option					
AC generator		Option					
OUTPUT							
Inverter mode	Power continuous (Pf.= 0.8)	3 kVA / 2.4 kW		5 kVA / 4kW		10 kVA / 8 kW	
	Voltage	220 Vac ± 1%					
	Phase	Single phase					
	Frequency	50 / 60 H ± 0.1%					
	Wave form	Pure sine wave					
	Total harmonic distortion	< 3% at full linear load					
	Maximum surge power	150%					
	Maximum AC current	13.6 A		22.7 A		45.5 A	
Charge mode	Nominal voltage	360 Vdc					
	Maximum charging current	3 A		3 A		5 A	
SYSTEM							
Efficiency	Inverter mode	> 93%					
Protection		Over current, overload, over temperature, short circuit, over voltage, under voltage					
BATTERY							
DC Voltage		360 Vdc					
Battery Type		Sealed lead acid (maintenance-free)					
INDICATOR							
LED		On, Shutdown, Over Temperature / Fault, Alarm, AC Input, Charge, Inverter, Inverter Supply, PV, Bypass Input, Auto Bypass, Manual Bypass, Battery Level, Load Level, Overload					
LCD display		AC input (Voltage / Frequency), Bypass input voltage, Battery level (%), Battery temperature (option), Battery (Voltage / Current), Float charge voltage, Boost charge voltage, Charge mode status, AC output (Voltage / Current / Frequency / Power), Inverter (Voltage / Frequency), Inverter temperature, Operation status, Event log					
Audible alarm		AC Input failure, low battery, replace battery, load on bypass, over temperature, fault					
COMMUNICATION INTERFACE							
Communication port	RS-232	Yes					
Remote status	Dry contact	Option					
VENTILATION							
Cooling		Ventilation fan					
DESIGN REGULATION							
Enclosure	Ingress protection	IP 20					
ENVIRONMENT							
Temperature		0°C to 40°C					
Relative humidity		0 - 95 % (non - condensing)					
Acoustic noise	At 1 metre	< 55 dBA					
PHYSICAL							
Dimension	W x H x D in cm.	27 x 80 x 81 cm				43 x 115 x 90 cm	
Weight	Approximate in kg.	82 kg / 157 kg		85 kg / 160 kg		190 kg / 265 kg	

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.

Authorized Distributor

LEO POWER SUPPLY CO.,LTD.

27, 4th Floor, Soi Bangna-Trad Rd 34, Bangna-Trad Road,

Bangna, Bangkok 10260 THAILAND

Tel. 0-2746-9500, 0-2746-8708 Fax. 0-2746-8712 e-mail : marketing@lpsups.com

Authorized Dealer