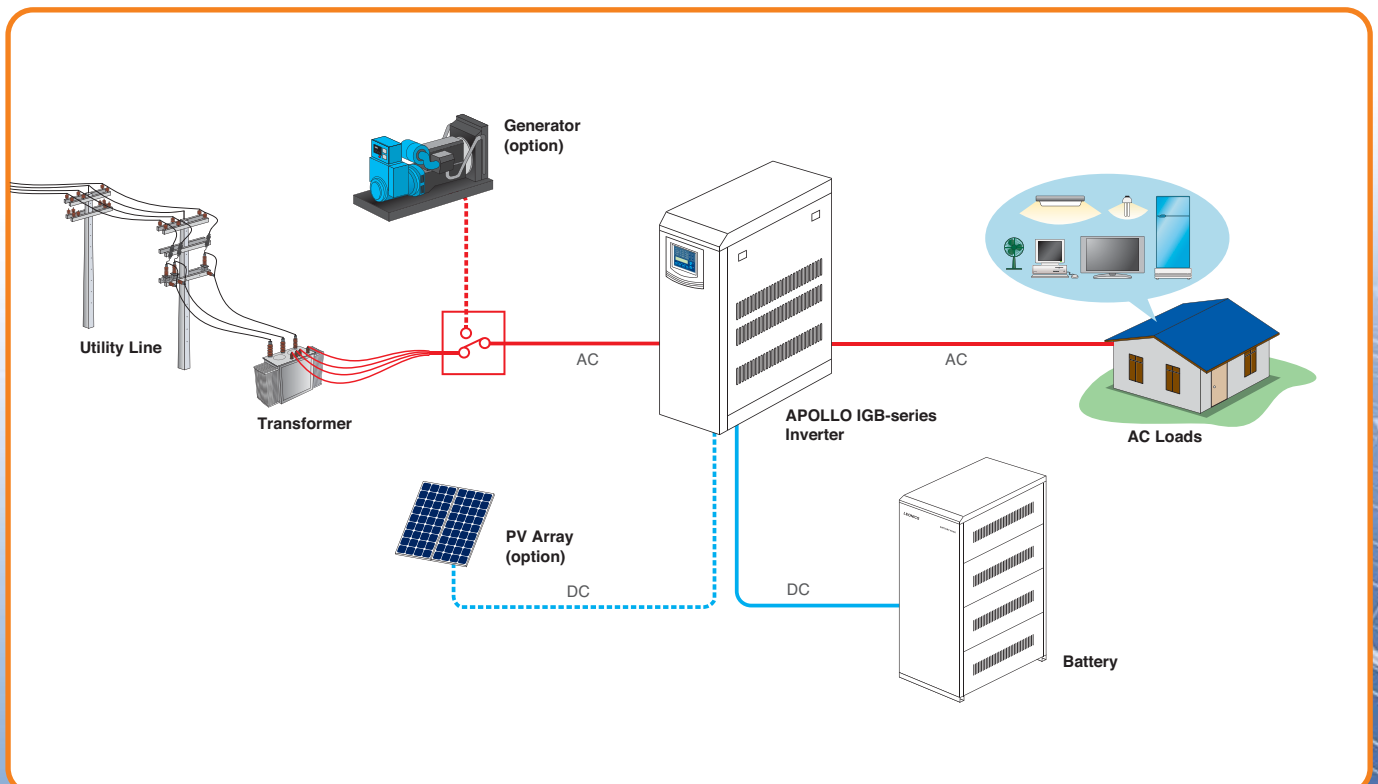


## APOLLO IGB-series

### 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
<b>INPUT</b>				
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		
<b>OUTPUT</b>				
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
<b>SYSTEM</b>				
Efficiency	Inverter mode	> 93%		
Protection		Over current, overload, over temperature, short circuit, over voltage, under voltage		
<b>BATTERY</b>				
DC Voltage		360 Vdc		
Battery Type		Sealed lead acid (maintenance-free)		
<b>INDICATOR</b>				
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 boltage, 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		
<b>COMMUNICATION INTERFACE</b>				
Communication port	RS-232	Yes		
Remote status	Dry contact	Option		
<b>VENTILATION</b>				
Cooling		Ventilation fan		
<b>DESIGN REGULATION</b>				
Enclosure	Ingress protection	IP 20		
<b>ENVIRONMENT</b>				
Temperature		0°C to 40°C		
Relative humidity		0 - 95 % (non - condensing)		
Acoustic noise	At 1 metre	< 55 dBA		
<b>PHYSICAL</b>				
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