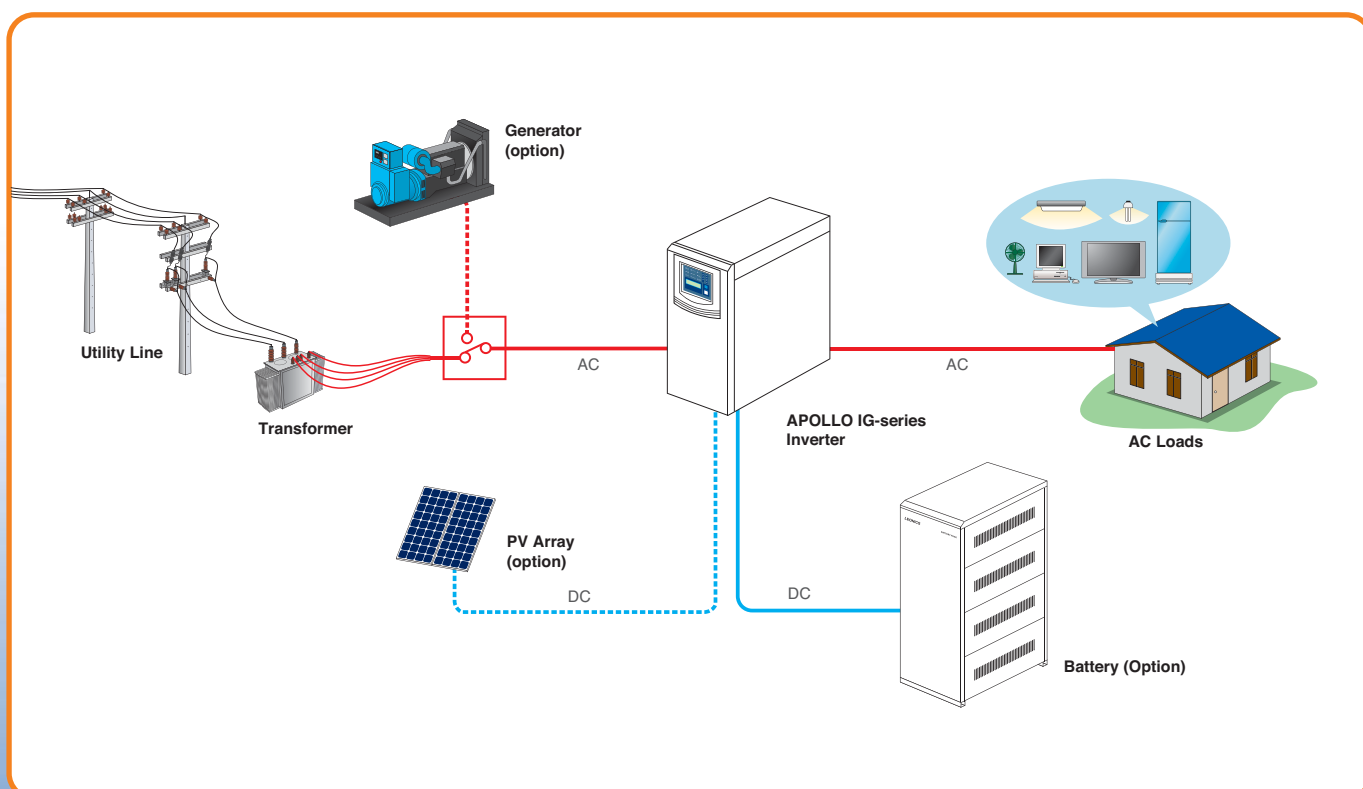


APOLLO IG-series

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
- Dry contact (DB-9) communication port
- ISO 9001 and ISO 14001 certified factory



SPECIFICATIONS

MODEL		IG-1K	IG-2K
INPUT			
Inverter mode	Nominal voltage	72 Vdc	144 Vdc
	Voltage range	64.8 - 90.0 Vdc	129.6 - 180.0 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)	1,250 VA / 1,000 W	2,000 VA / 1,600 W
	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	5.7 A	9.1 A
Charge mode	Nominal voltage	72 Vdc	144 Vdc
	Charging current	1 A	
SYSTEM			
Efficiency	Inverter mode	72%	87%
Protection		Over current, overload, over temperature, short circuit, over voltage, under voltage	
BATTERY			
DC Voltage		72 Vdc	144 Vdc
Battery Type		Sealed lead acid (maintenance-free)	
INDICATOR			
LED		AC Input, Charge, Inverter, PV, Auto Bypass, Manual Bypass, Low Battery, Over Temperature, Fault, Battery Level, Load Level, Overload	
LCD display		AC input voltage, AC output voltage, Battery level (%), Load level (%)	
COMMUNICATION INTERFACE			
Communication port	Dry contact (DB-9)	Yes	
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	< 45 dBA	< 50 dBA
PHYSICAL			
Dimension	W x H x D in cm.	25 x 51.5 x 56.5 cm	25.5 x 63.5 x 62.7 cm
Weight	Approximate in kg.	69 kg	89 kg