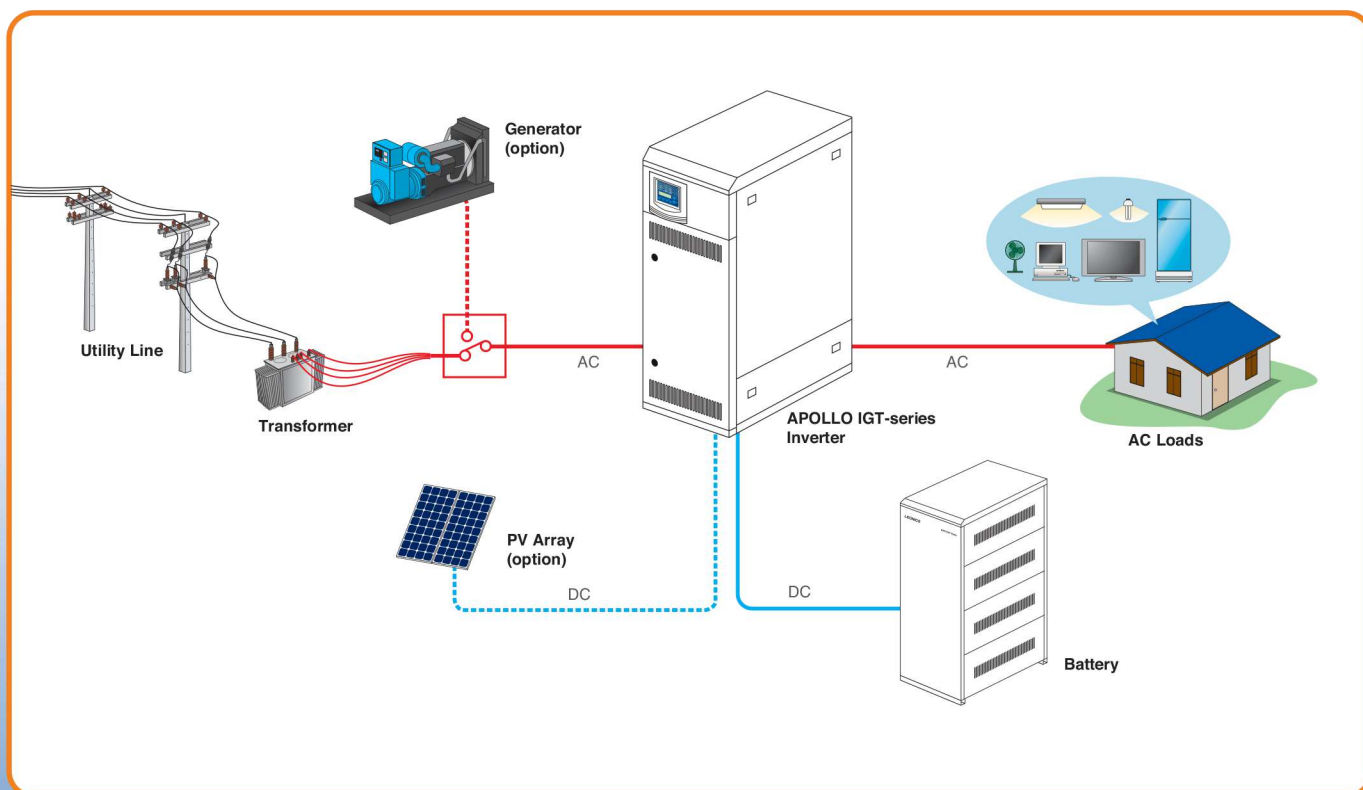


APOLLO IGT-series

Inverter for 3-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 2%)
- 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		IGT-10K		IGT-15K		IGT-20K		IGT-30K	
INPUT									
Inverter mode	Nominal voltage	360 Vdc							
	Voltage range	320 - 420 Vdc							
Charge mode	Nominal voltage	380 Vac (3 phase, 4 wires)							
	Voltage range	323 - 475 Vac							
	Frequency	50 / 60 Hz ± 10% at nominal voltage							
Bypass mode	Input bypass voltage	220 Vac							
	Voltage range	176 - 275 Vac							
PV input		Option							
AC generator		Option							
OUTPUT									
Inverter mode	Power continuous (Pf.= 0.8)	10 kVA / 8 kW		15 kVA / 12 kW		20 kVA / 16 kW		30 kVA / 24 kW	
	Voltage	220 Vac ± 1%							
	Phase	Single phase							
	Frequency	50 / 60 H ± 0.1%							
	Wave form	Pure sine wave							
	Total harmonic distortion	< 2% at full linear load							
	Maximum surge power	150%							
	Maximum AC current	45.5 A		68.2 A		91 A		136.5 A	
Charge mode	Nominal voltage	360 Vdc							
	Maximum charging current	5 A		5 A		10 A		10 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 (%), Load 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.	43 x 115 x 90 cm				65 x 99 x 93.5 cm			
Weight	Approx. in kg	210 kg / 285 kg		250 kg / 325 kg		274 kg / 349 kg		292 kg / 367 kg	

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

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