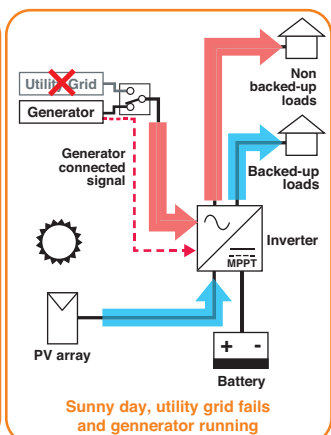
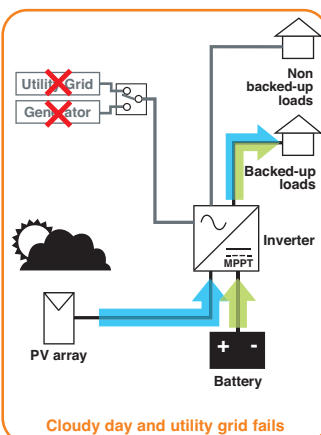
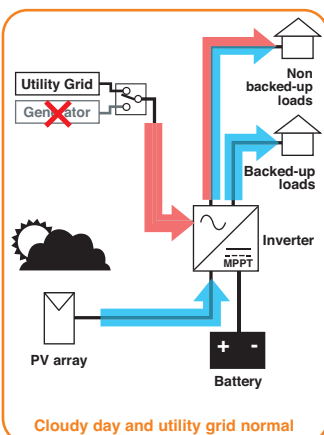
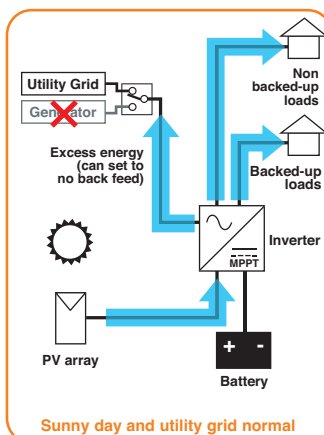
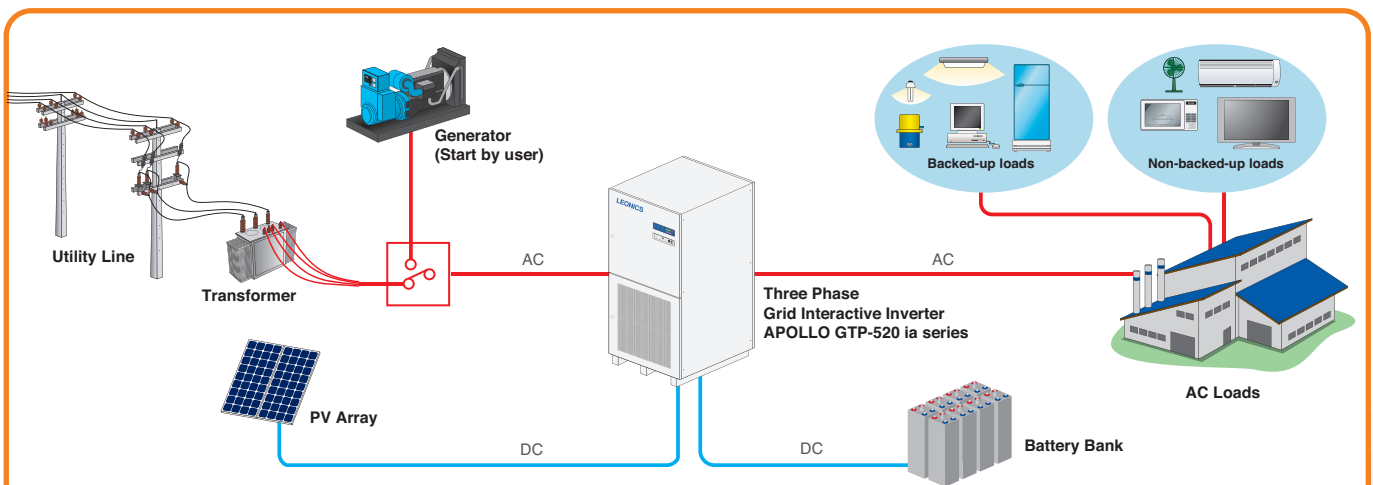


APOLLO GTP-520 ia

Three Phase Grid Interactive Inverter



- Three phase bidirectional inverter with built-in output transformer
- Provide uninterruptible backup power to load when utility grid line is not available
- Include with battery charger
- Feeding excess energy back to grid line
- Low harmonic distortion (less than 4%)
- High efficiency > 95%
- User settable operation:
 1. Excess PV energy back feed to utility line
 2. No PV energy back feed to utility line, PV energy only supply to backed-up and non-backed-up loads
- ISO 9001 and ISO 14001 certified factory



The APOLLO GTP-520 ia series is a three phase grid interactive inverter. It can operate as grid tie inverter when utility line is available to reduce energy consumption in the industry and can become backup power source for the selected section or the whole house by using energy from PV and battery when utility line is not available. The grid interactive inverter is suitable for 3-phase industrial applications.

APOLLO GTP-520 ia series Three Phase Grid Interactive Inverter

MODEL			GTP-521G ia	GTP-522G ia	GTP-523G ia	GTP-524G ia	GTP-525G ia	GTP-526G ia	GTP-527G ia	GTP-529G ia
RATED POWER	PV input		10 kWp	15 kWp	25 kWp	30 kWp	45 kWp	60 kWp	75 kWp	100 kWp
	AC Output		10 kW	15 kW	25 kW	30 kW	45 kW	60 kW	75 kW	100 kW
BATTERY	Nominal Voltage		360 Vdc							
	Maximum battery capacity		50 Ah	80 Ah	150 Ah	150 Ah	150 Ah	300 Ah	300 Ah	450 Ah
	Maximum battery charging current		5 A	8 A	15 A	15 A	15 A	30 A	30 A	45 A
	Maximum battery current		37 A	56 A	93 A	111 A	165 A	222 A	275 A	370 A
PV INPUT	MPPT voltage range (Vmp of PV string)		300 - 420 Vdc							
	Max. open circuit voltage (Voc of PV string)		< 540 Vdc							
	Maximum PV current		34A	50 A	84 A	100 A	153 A	200 A	250 A	340 A
AC INPUT FROM GRID LINE OR GENERATOR	Voltage		380 / 400 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N) ± 10%							
	Phase		Three phase four wires							
	Frequency		50 / 60 Hz ± 3 Hz							
	Max. AC current to inverter		20 A	30 A	50 A	60 A	90 A	119 A	149 A	196 A
	Max. AC current (Total)		35.5 A	53 A	88.5 A	110 A	160 A	212 A	263 A	348 A
AC OUTPUT (BATTERY MODE)	Voltage		380 / 400 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N)							
	Voltage regulation		± 5% (steady load), < 4% at 100% step load within 0.1 sec.							
	Phase		Three phase four wires							
	Frequency		50 / 60 Hz ± 0.1%							
	Wave form		Pure sine wave							
	Total harmonic distortion		total < 4%, each < 3%							
	Maximum surge current		150% at 2 sec.							
	Max. AC current to load	Backed-up	15.2 A	22.7 A	38 A	45.5 A	68.2 A	90.9 A	113.7	151.5 A
Non-backed up		15.5 A	23.0A	38.5 A	50 A	70 A	92 A	114 A	152 A	
ISOLATION	Galvanic isolation		yes							
EFFICIENCY	Inverter peak efficiency		> 95%							
PROTECTION			Over current, Over load, Short circuit, Over temperature, Over voltage, Under voltage							
INDICATOR	LED		AC Input, Generator Failure, Stand by/Run, Inverter, Charging, Load on Inverter, Overload, Low Battery, High temperature, Fault							
	LCD		Inverter voltage, Inverter current, Inverter frequency, Inverter power, AC input voltage, AC input current, AC input frequency, AC input power, Load voltage, Load current, Load power, Battery voltage, Battery current, Battery state of charge(%), Internal charging current, External DC charging current, Battery temperature (option), Equalizatiton Date, Today AC inverter energy (Input, Output), Today DC inverter energy (Input, Output), Accumulated AC inverter energy (Input, Output), Accumulated DC inverter energy (Input, Output), System status, Time, Date, Heat sink temperature							
AUDIABLE ALARM			Low battery, Inverter fault, High temperature							
COOLING			Automatic cooling fan							
ENVIRONMENT	Temperature		0 - 45°C							
	Relative humidity		0 - 95 % (Non - condensing)							
DESIGN STANDARD			AS/NZ 3100:2002							
DIMENSION	W x H x D (cm)		90 x 188 x 105							
WEIGHT	Approximate in kg.		300	450	750	800	1,075	1,350	1,420	1,490

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

Authorized Distributor

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