

APOLLO G/GTP-4000TL(P)

Grid Connected Inverter

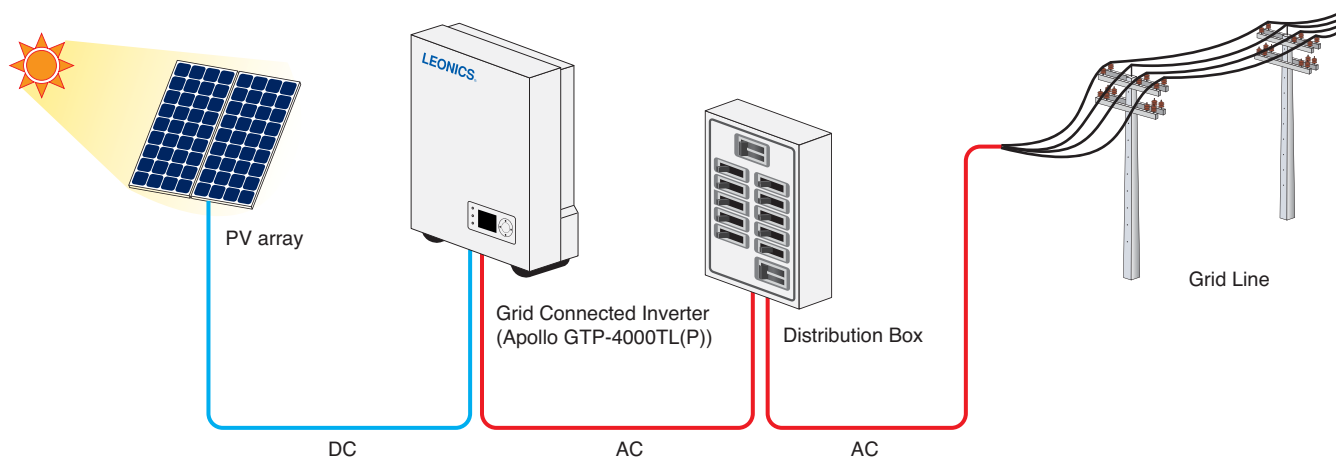


Single Phase



Three Phase

- High efficiency
- Output transformerless topology
- Integrate with Maximum Power Point Tracking (MPPT)
- Built-in DC switch
- Special design for using at high grid fluctuation area
- Industrial-grade components used for robust operation
- IP65 protection for outdoor and harsh environment
- Simple and easy installation
- Real time monitoring software
- Frequency shift power control scheme (option)
- Tested to comply with IEC 61727 and IEC 62116 standards
- 5 Years warranty
- ISO 9001 and ISO 14001 certified factory



The APOLLO G/GTP-4000TL(P) series inverter is high performance single phase and three phase grid connected inverter that integrated with PV maximum power point tracking (MPPT) to extract maximum DC power generated by PV array. It can operate at their optimum power output voltage even under variety weather conditions and also offers user-friendly and high efficiency circuit design. With real-time monitoring software, the inverter can help users to monitor and calculate the accurate saving energy.

SPECIFICATIONS

MODEL		G-4300TL(P)	G-4500TL(P)	GTP-4010TL(P)	GTP-4015TL(P)
RATED POWER	DC input	3.2 kW	5.2 kW	10.35 kW	15.55 kW
	AC output	3.0 kW	5.0 kW	10 kW	15 kW
SYSTEM	Topology	Transformerless			
DC INPUT	Nominal DC voltage	380 Vdc	380 Vdc	650 Vdc	650 Vdc
	MPPT voltage range (Vmp)	200 - 480 Vdc	250 - 480 Vdc	250 - 800 Vdc	380 - 800 Vdc
	Maximum DC voltage (Voc)	580 Vdc	580 Vdc	1 kVdc	1 kVdc
	Start-up voltage	150 Vdc	150 Vdc	250 Vdc	250 Vdc
	Maximum input current	10 A / 10 A	15 A / 15 A	2 x 20 A	2 x 20 A
	Number of MPPTs / Strings per MPPT	2 / 1	2 / 2	2 / 3	2 / 3
AC OUTPUT	Voltage and phase	220 Vac (L-N) (for PEA grid line), Single phase		220 Vac (L-N) / 380 Vac (L-L), Three phase four wires	
	Frequency	50 / 60 Hz			
	Maximum output current	16 A	25 A	15 A	22 A
	Nominal apparent power	3.0 kVA	5.0 kVA	10 kVA	15 kVA
	Power factor	0.9 leading to 0.9 lagging			
	Total harmonic distortion	THDi < 3%			
EFFICIENCY	Peak efficiency	97.5%	97.5%	98.0%	98.0%
	EURO efficiency	97.0%	97.0%	97.3%	97.4%
PROTECTION	Reverse polarity	yes			
	DC switch	yes			
	Ground fault detection	yes			
	Grid monitoring	yes			
	AC Short circuit	yes			
	Over voltage	yes			
	Over current	yes			
	Active anti-islanding	yes			
INDICATOR	LED	Inverter status, Fault		Fault, Inverter status, Power supply status	
	LCD display	Inverter staus, Power-Time graph, Power, Today generated energy, Total generated energy, Grid line voltage / current / frequency, Power factor, Total run time, PV voltage and current, Fault		Inverter staus, Power-Time graph, Power, Today generated energy, Total generated energy, Grid line voltage / current / frequency, Inside temperature, PV voltage and current, Fault	
COMMUNICATION INTERFACE	Communication port	RS-485			
	Optional	Bluetooth			
ACOUSTIC NOISE	At 1 metre	< 30 dBA	< 50 dBA	< 50 dBA	< 50 dBA
ENVIRONMENT	Temperature	- 25°C to 60°C			
	Humidity	0 - 95 % (non - condensing)			
DESIGN REGULATION	Standard	IEC 61727, IEC 62116, AS 3100 and AS 4777			
	Enclosure	IP 65			
DIMENSION	W x H x D in cm.	38.9 x 49.4 x 19.6	38.9 x 49.4 x 19.6	55 x 65 x 25	55 x 65 x 25
WEIGHT	Approximate in kg.	24	25	45	50

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

Authorized Distributor

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