

APOLLO GTP-4000TL

Three Phase Grid Connected Inverter

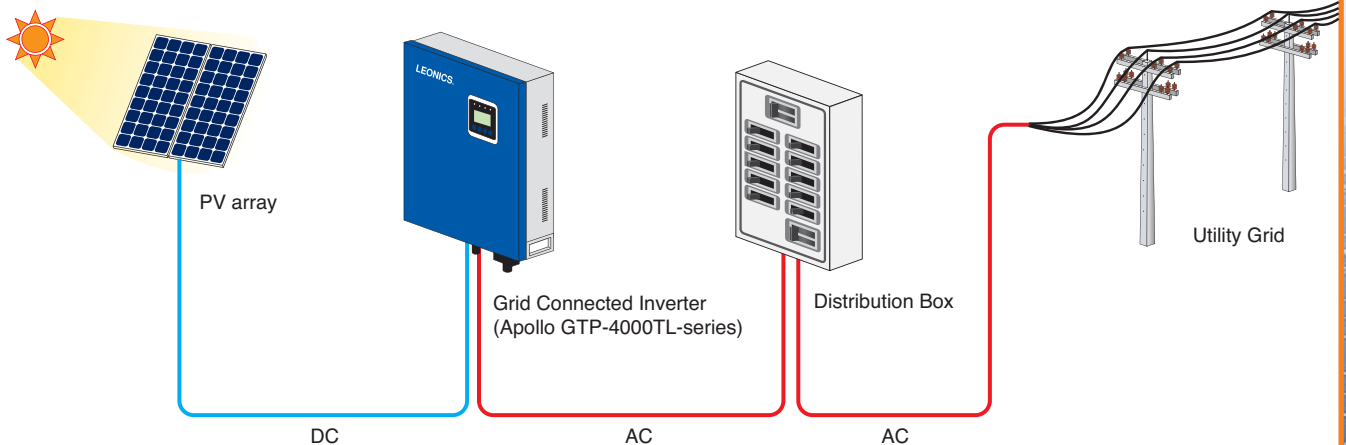


10kW and 20kW models



30kW and 50kW models

- Output transformerless topology
- High reliability and high efficiency
- Integrate with Maximum Power Point Tracking (MPPT)
- Special design for using at high grid fluctuation area
- 2 independent MPPTs (for 10kW and 20kW model) and 3 independent MPPTs (for 30kW and 50kW model) which support parallel connection
- Two PV configuration mode (Independent Input Mode / Parallel Input Mode) for 10kW and 20kW model
- Three PV configuration mode (Independent Input Mode / Parallel Input Mode / Mixed Input Mode) for 30kW and 50kW model
- Industrial-grade components used for robust operation
- PV side protection; over current protection
- Grid side protection; over current, over / under voltage and frequency protections
- IP65 protection for outdoor and harsh environment
- Frequency shift energy management control
- Data logging and real-time monitoring via communication port
- Tested to comply with IEC 61727, IEC 62116 and IEC 61683 standards
- 5 Years warranty
- ISO 9001, ISO 14001 and ISO 45001 certified factory



The APOLLO GTP-4000TL series inverter is high performance 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.

Grid Connected Power System

APOLLO GTP-4000TL series Three Phase Grid Connected Inverter

MODEL		GTP-4010TL	GTP-4020TL	GTP-4030TL	GTP-4050TL
RATED POWER	Maximum DC input	11 kW	22 kW	33 kW	55 kW
	AC output	10 kW	20 kW	30 kW	50 kW
SYSTEM	Topology	Transformerless			
DC INPUT	Nominal DC voltage	620 Vdc			
	MPPT voltage range (V _{mp})	250 - 950 Vdc			
	Maximum DC voltage (V _{OC})	1,000 Vdc			
	Minimum / Start-up voltage	200 Vdc / 250 Vdc			
	PV configuration mode	Independent Input (default) / Parallel Input		Independent Input (default) / Parallel Input / Mixed Input	
	Maximum input current	2 x 13 A	2 x 21 A	3 x 26 A	3 x 36 A
	Number of MPPTs / String per MPPT	2 / 1	2 / 2	3 / 2	3 / 4
	Maximum DC power per MPPT	5.5 kW	11 kW	11 kW	18.33 kW
AC OUTPUT	Voltage	400 Vac (L-L) / 230 Vac (L-N) (380 Vac (L-L) / 220 Vac (L-N) and 415 Vac (L-L) / 240 Vac (L-N) are optional)			
	Phase	Three phase four wires			
	Frequency	50 / 60 ± 2 Hz			
	Maximum output current	17 A	32 A	48 A	75 A
	Power factor	0.9 leading ~ 0.9 laging (0.8 leading ~ 0.8 laging is optional)			
	Total harmonic distortion	THDi < 3%			
	Power consumption	140 W	280 W	420 W	700 W
EFFICIENCY	Peak efficiency	98%			
	MPPT efficiency	99.9 %			
PROTECTION	Ground fault detection	yes			
	Grid monitoring and over temperature	yes			
	AC short circuit and Reverse polarity	yes			
	Over / Under voltage	yes			
	Over / Under frequency	yes			
	Over current (overload)	yes			
	Active anti-islanding	yes			
	DC switch	option			
INDICATOR	LED	PV parallel status, Normal operation, Alarm, Fault			
	LCD display	PV input (Voltage, Current, Power), Bus voltage, AC (Voltage, Frequency, Current, Power), Temperature (Fan, Environment), System status, PV input mode, Power peak (Today, History), Generated energy (Today, Week, Month, Year), Total generated energy, Setting, Event log			
COMMUNICATION	Communication port	RS-485			
INTERFACE	Optional	Wifi			
ACOUSTIC NOISE	At 1 metre	< 40 dBA			
ENVIRONMENT	Temperature	- 25°C to 60°C			
	Humidity	0 - 95% (non - condensing)			
	Cooling concept	Natural			Fans
DESIGN	Standard	IEC 61727, IEC 62116, IEC 61683			
REGULATION	Enclosure	IP 65			
DIMENSION	W x H x D in cm.	55.3 x 71.5 x 22.8		63.6 x 100 x 26	
WEIGHT	Approximate in kg.	36 kg	40 kg	61 kg	67 kg

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

Authorized Distributor

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