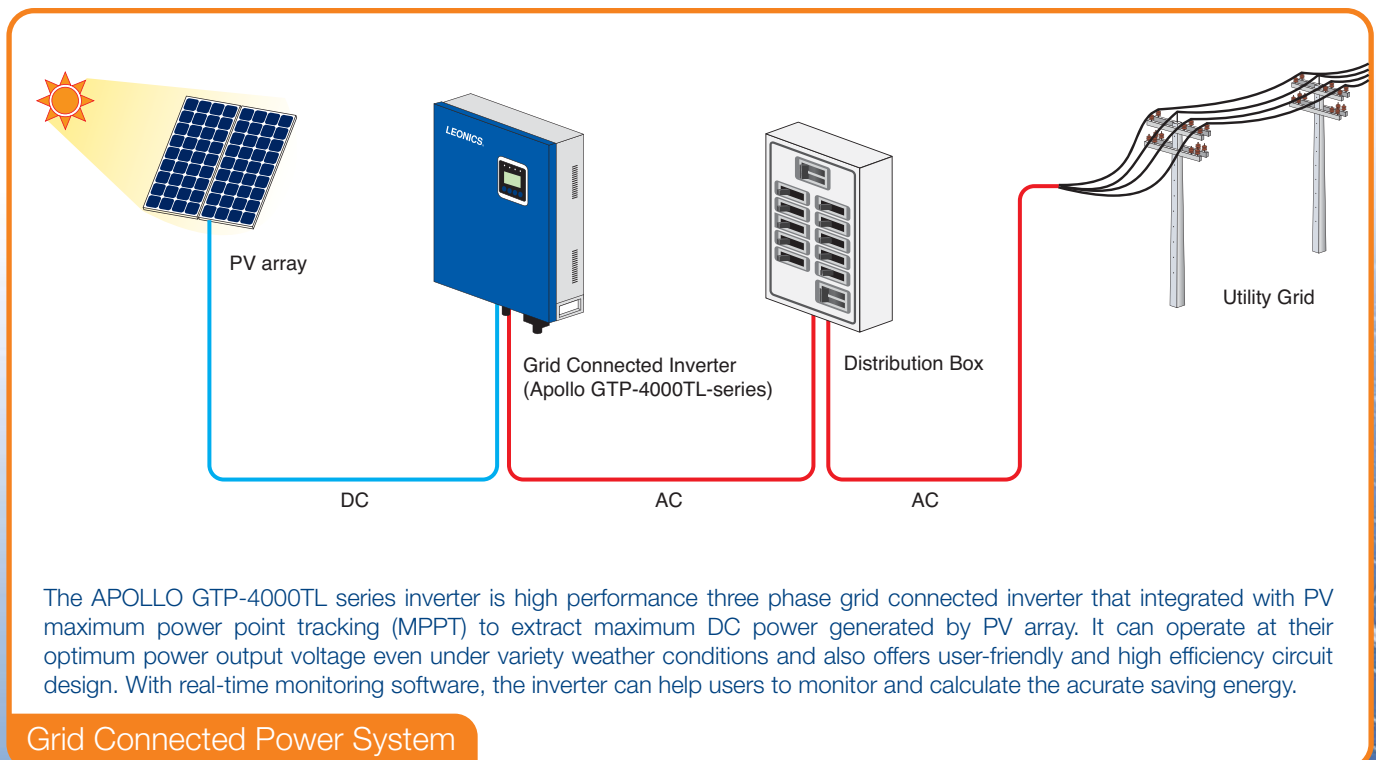


APOLLO GTP-4000TL

Three Phase Grid Connected Inverter



- Output transformerless topology
- High reliability and high efficiency
- Integrate with Maximum Power Point Tracking (MPPT)
- 2 independent MPPTs which supports parallel connection
- Special design for using at high grid fluctuation area
- 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 for PEA regulation ((P)-suffix model) and MEA regulation ((M)-suffix model)
- Tested to comply with IEC 61727, IEC 62116 and IEC 61683 standards
- 5 Years warranty
- ISO 9001 and ISO 14001 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.

APOLLO GTP-4000TL series Three Phase Grid Connected Inverter

MODEL		For PEA grid line		For MEA grid line	
		GTP-4010TLP	GTP-4020TLP	GTP-4010TLM	GTP-4020TLM
RATED POWER	Maximum DC input	11 kW	22 kW	11 kW	22 kW
	AC output	10 kW	20 kW	10 kW	20 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			
	Maximum input current	2 x 13 A	2 x 21 A	2 x 13 A	2 x 21 A
	Number of MPPTs / String per MPPT	2 / 1	2 / 2	2 / 1	2 / 2
	Maximum DC power per MPPT	5.5 kW	11 kW	5.5 kW	11 kW
AC OUTPUT	Voltage	380 Vac (L-L) / 220 Vac (L-N) (for PEA grid line)		400 Vac (L-L) / 230 Vac (L-N) (for MEA grid line)	
	Phase	Three phase four wires			
	Frequency	50 / 60 ± 2 Hz			
	Maximum output current	17 A	32 A	17 A	32 A
	Power factor	0.9 leading ~ 0.9 lagging (0.8 leading ~ 0.8 lagging is optional)			
	Total harmonic distortion	THDi < 3%			
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	PV1 - PV2 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 INTERFACE	Communication port	RS-485			
	Optional	Wifi			
ACOUSTIC NOISE	At 1 metre	< 40 dBA			
ENVIRONMENT	Temperature	- 25°C to 60°C			
	Humidity	0 - 95% (non - condensing)			
	Cooling concept	Natural			
DESIGN REGULATION	Standard	IEC 61727, IEC 62116, IEC 61683			
	Enclosure	IP 65			
DIMENSION	W x H x D in cm.	55.3 x 71.5 x 28			
WEIGHT	Approximate in kg.	36 kg	40 kg	36 kg	40 kg

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

Authorized Distributor

LEO ELECTRONICS CO.,LTD.

27, 29 Soi Bangna-Trad Rd 34, Bangna, Bangkok 10260 THAILAND Tel. 0-2746-9500, 0-27468708 Fax. 0-2746-8712 e-mail : RNE@leonics.com

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