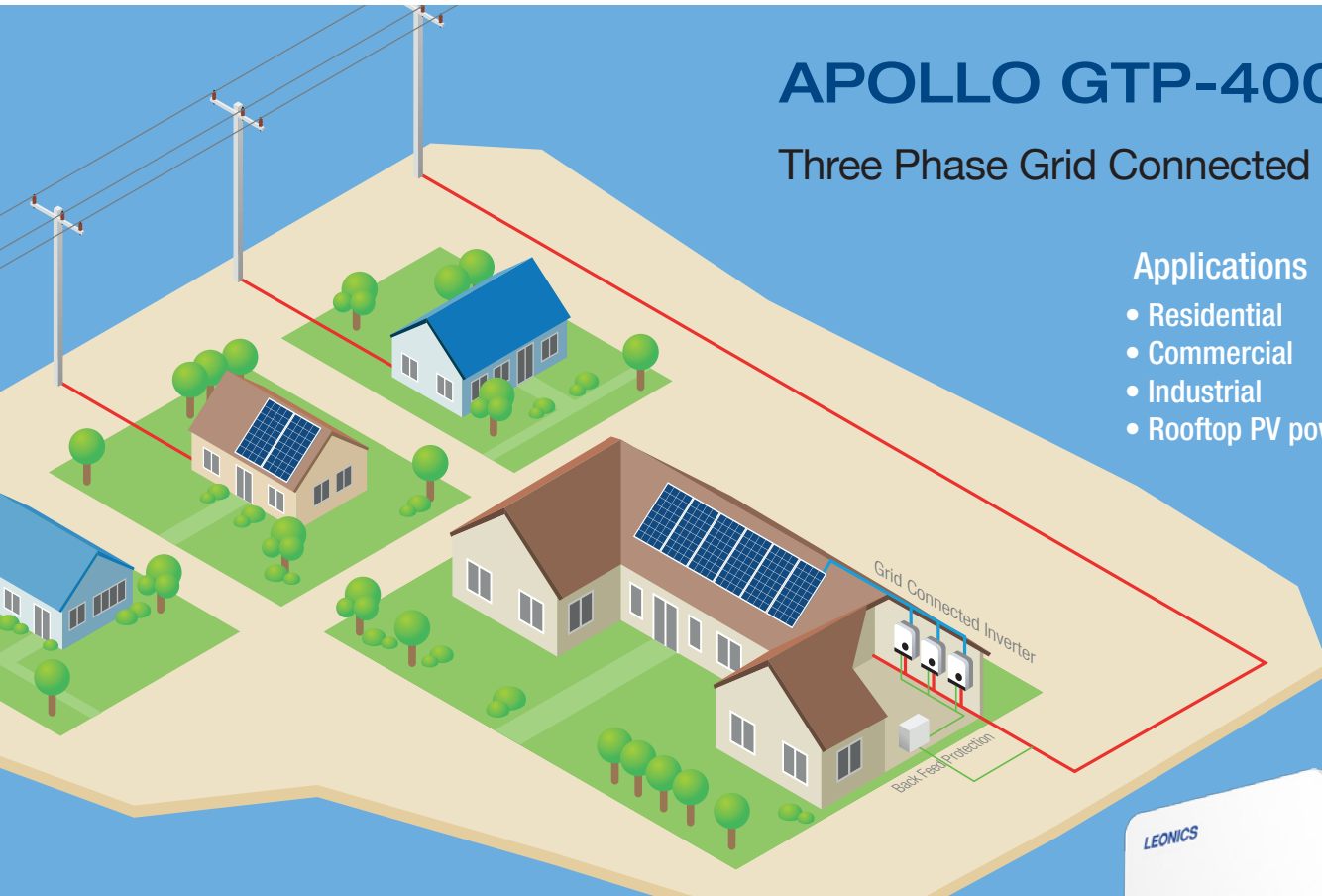


APOLLO GTP-4000TL

Three Phase Grid Connected Inverter

Applications

- Residential
- Commercial
- Industrial
- Rooftop PV power system



- High reliability and high efficiency
- Integrate with Maximum Power Point Tracking (MPPT)
- 2 independent MPPTs (for 10 kW and 20 kW models) and 4 independent MPPTs (for 50 kW and 80 kW models) which support parallel connection
- Special design for using at high grid fluctuation area
- Two PV configuration mode (for 10 kW and 20 kW models) and Four PV configuration mode (for 50 kW and 80 kW models) (Independent Input Mode / Parallel Input Mode)
- Industrial-grade components used for robust operation
- PV side protection; over current protection, reverse polarity protection
- Grid side protection; over current, over / under voltage and frequency protections
- IP66 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 61683, IEC 61727, IEC 62116, IEC 62109-1 and IEC 62109-2 standards
- 5 Years warranty
- ISO 9001, ISO 14001 and ISO 45001 certified factory



APOLLO GTP-4010TL
APOLLO GTP-4020TL



APOLLO GTP-4050TL
APOLLO GTP-4080TL

Output transformerless topology

IP66 Protection for outdoor and harsh environment

Test for comply with IEC 61683, IEC 61727, IEC 62116, IEC 62109-1 and IEC 62109-2 standards

MODEL		GTP-4010TL	GTP-4020TL	GTP-4050TL	GTP-4080TL
RATED POWER	Maximum DC input	11 kW	22 kW	55 kW	88 kW
	AC output	10 kW	20 kW	50 kW	80 kW
SYSTEM	Topology	Transformerless			
DC INPUT	Nominal DC voltage	620 Vdc		650 Vdc	
	MPPT voltage range (Vmp)	140 - 1,000 Vdc		200 - 1,000 Vdc	
	Minimum voltage for full load	420 Vdc		550 Vdc	
	Maximum DC voltage (Voc)	1,100 Vdc			
	Minimum / Start-up voltage	140 Vdc / 180 Vdc		180 Vdc / 220 Vdc	
	PV configuration mode	Independent Input (default) / Parallel Input			
	Maximum input current	2 x 15 A	2 x 30 A	4 x 32 A	4 x 45 A
	Number of MPPTs / String per MPPT	2 / 1	2 / 2	4 / 2	4 / 3
	Max. short circuit current per MPPT	20 A	40 A	48 A	60A
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 ± 5 Hz			
	Maximum output current	16 A	31.9 A	83.3 A	127.5 A
	Power factor	0.8 leading ~ 0.8 lagging			
	Total harmonic distortion (THDi)	3%			
	Power consumption	15 W			
EFFICIENCY	Peak efficiency	98.6%	98.6%	98.5%	98.6%
	MPPT efficiency	98.1%	98.3%	98.2%	98.3%
PROTECTION	Ground fault detection	yes			
	Over temperature	yes			
	DC switch	yes			
	DC reverse polarity protection	yes			
	String fault detection	yes			
	AC short circuit and reverse polarity	yes			
	Over / Under voltage	yes			
	Over / Under frequency	yes			
	Output over current	yes			
	Active anti-islanding	yes			
	Insulation detection	yes			
	AC/DC surge protection	Type II (DC), Type III (AC)			
INDICATOR	LED	Checking status, Operation status, Alarm, Fault			
	LCD display	PV input (Voltage/Current/Power), Bus voltage, AC (Voltage/Frequency/Current/Power), Power (PV input/AC input/Reactive Power), Temperature , System status, Error code, Run Tiime, Power peak (Today/History), Generated energy (Today/Week/Month/Year), Total generated energy, Setting, Event log			
COMMUNICATION INTERFACE	Communication port	RS-485			
ACOUSTIC NOISE	At 1 metre	< 40 dBA			
COOLING TYPE		Natural cooling	Fan cooling		
ENVIRONMENT	Temperature	- 25°C to 60°C			
	Humidity	0 - 95% (non - condensing)			
DESIGN REGULATION	Standard	IEC/EN 61000-6-2, IEC/EN 61000-6-4, IEC 60068, IEC 60529, IEC 61727, IEC 61683, IEC 62116, IEC/EN 62109-1, IEC/EN 62109-2			
	Enclosure	IP66			
DIMENSION	W x H x D in cm.	38 x 48.3 x 16.1 cm	38 x 48.3 x 19.3 cm	54.8 x 54 x 28.9 cm	
WEIGHT	Approximate in kg.	16 kg	20.7 kg	51 kg	55 kg

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

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