

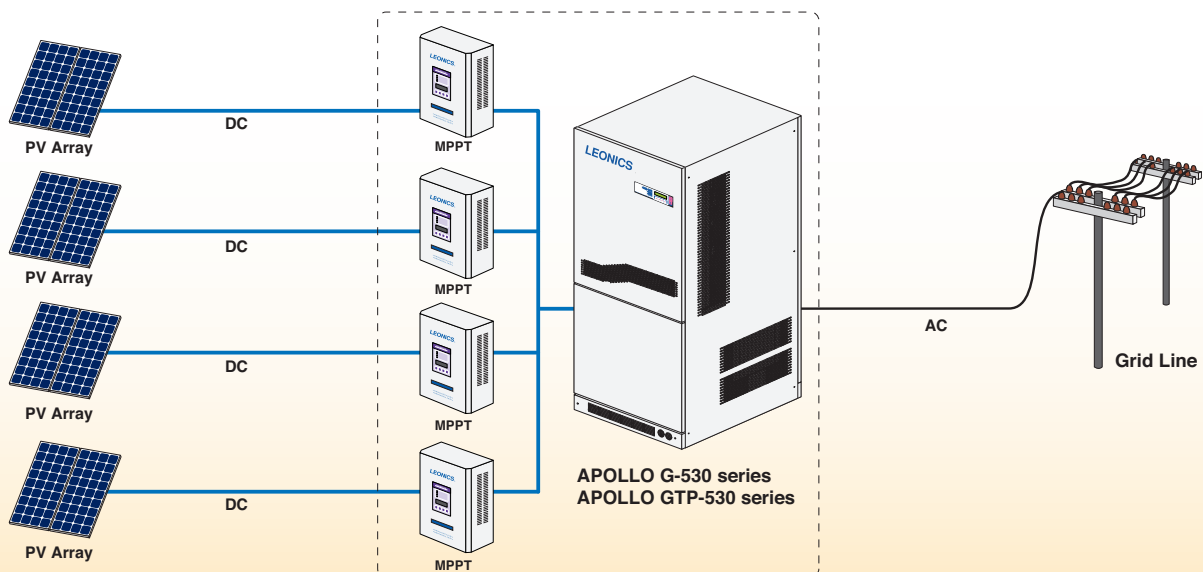


## APOLLO G-530

## APOLLO GTP-530

### SINGLE PHASE/THREE PHASE GRID CONNECTED CENTRAL INVERTER WITH MULTIPLE MPPT-PV INPUT

- Maximum inverter efficiency  $\geq 93\%$
- Total Harmonic Distortion THD<sub>i</sub> < 4%
- Integrate with MMPT with different PV installation direction
- ISO 9001:2000 and ISO 14001 Certified
- Single phase/Three phase grid connected inverter with built-in output transformer
- Over and under voltage and frequency protections
- Active and passive anti-islanding protections (IEEE 929-2000 compliance) during failure of utility grid power supply
- Automatic start and shutdown during over heating
- Superior user protection with galvanic isolation
- Master and slave operation for higher system energy production
- Display LCD unit for voltage, current, watts, and energy for each MPPT unit(s)
- Display LCD unit for voltage, current, watts, energy, and accumulated energy at inverter for each phase and 3 phases.



The APOLLO G-530 / GTP-530 Series is a single phase / three phase grid connected central inverter that integrated with multiple maximum power point trackers (MPPT) and PV input. The MPPT is an electronic control device that uses special algorithm to extract maximum power from the PV panels as maximum power from the PV panels depends on solar radiation, ambient temperature and Photovoltaic (PV) cell temperatures. The main features of this inverter system are that it can inject maximum power to the utility grid from multiple MPPT & PV array input. This inverter has a maximum efficiency as high as 93 % for all range models.

## APOLLO G-530 series/APOLLO GTP-530 series

SINGLE PHASE / THREE PHASE GRID CONNECTED CENTRAL INVERTER WITH MULTIPLE MPPT- PV INPUT



### SPECIFICATIONS

MODEL	G-531	G-532	G-533	G-534	G-535	G-536	G-537	GTP-531	GTP-532	GTP-533	GTP-534	GTP-535	GTP-536	GTP-537
RATED POWER	10 kW	15 kW	20 kW	25 kW	30 kW	35 kW	40 kW	30 kW	45 kW	60 kW	75 kW	90 kW	105 kW	120 kW
SYSTEM	High frequency switching, IGBT technology, Multiple PV with MPPT													
PV INPUT	MPPT tracking voltage range (V <sub>mp</sub> of PV string) Maximum open circuit voltage (V <sub>oc</sub> of PV string) MPPT module fo PV rating Number of MPPT module MPPT module fo PV rating Number of MPPT module													
	125 to 480 Vdc (calculate by using V <sub>mp</sub> ) 600 Vdc (calculate by using V <sub>oc</sub> ) 5 kWp													
	2	3	4	5	6	7	8	6	9	12	15	18	21	24
	10 kWp		10 kWp		10 kWp		10 kWp	10 kWp		10 kWp		10 kWp		10 kWp
	1		2		3		4	3		6		9		12
AC OUTPUT TO GRID LINE	Grid line voltage Phase Frequency Power factor Total harmonic distortion Power limiting													
	220 / 240 Volt Single phase 50 / 60 Hz ± 6% > 0.98 THD <sub>i</sub> < 4% 110 %													
	380 / 415 Volt (L-L), 220 / 240 Volt (L-N) Three phase													
ISOLATION	Galvanic isolation yes													
EFFICIENCY	Inverter peak efficiency 93% > 93% 93% > 93%													
PROTECTION	Input / Output Anti-Islanding operation Over heat Surge dissipation													
	Over voltage / Under voltage (AC & DC), Frequency (AC) Yes, Active and Passive Anti-islanding protection Automatic shutdown and restart 20 kA category C1 for AC													
DISPLAY	MPPT Inverter													
	LCD for each MPPT input for Voltage, Current, Watt, Energy LCD for each phase and one remote LCD display for 3 phase data for Voltage, Current, Watt, Energy Today, Accumulated kWh less than 30 Watt (standby)													
POWER CONSUMPTION														
AUDIABLE ALARM	Main failure, Inverter fault													
ACOUSTIC NOISE	At 1 metre less than 55 dB													
COOLING	Force fan cooling													
ENVIRONMENT	Temperature Relative humidity													
	0 - 45°C 0 - 95 % (Non - condensing)													
DESIGN STANDARD	IEEE 929-2000, EN 61727, UL 1741, IEC 60364-7-712, AS/NZ 4777													
DIMENSION	W x H x D (cm.) TBA													
WEIGHT	Approximate (kg.) TBA													

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

#### Authorized Distributor:

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