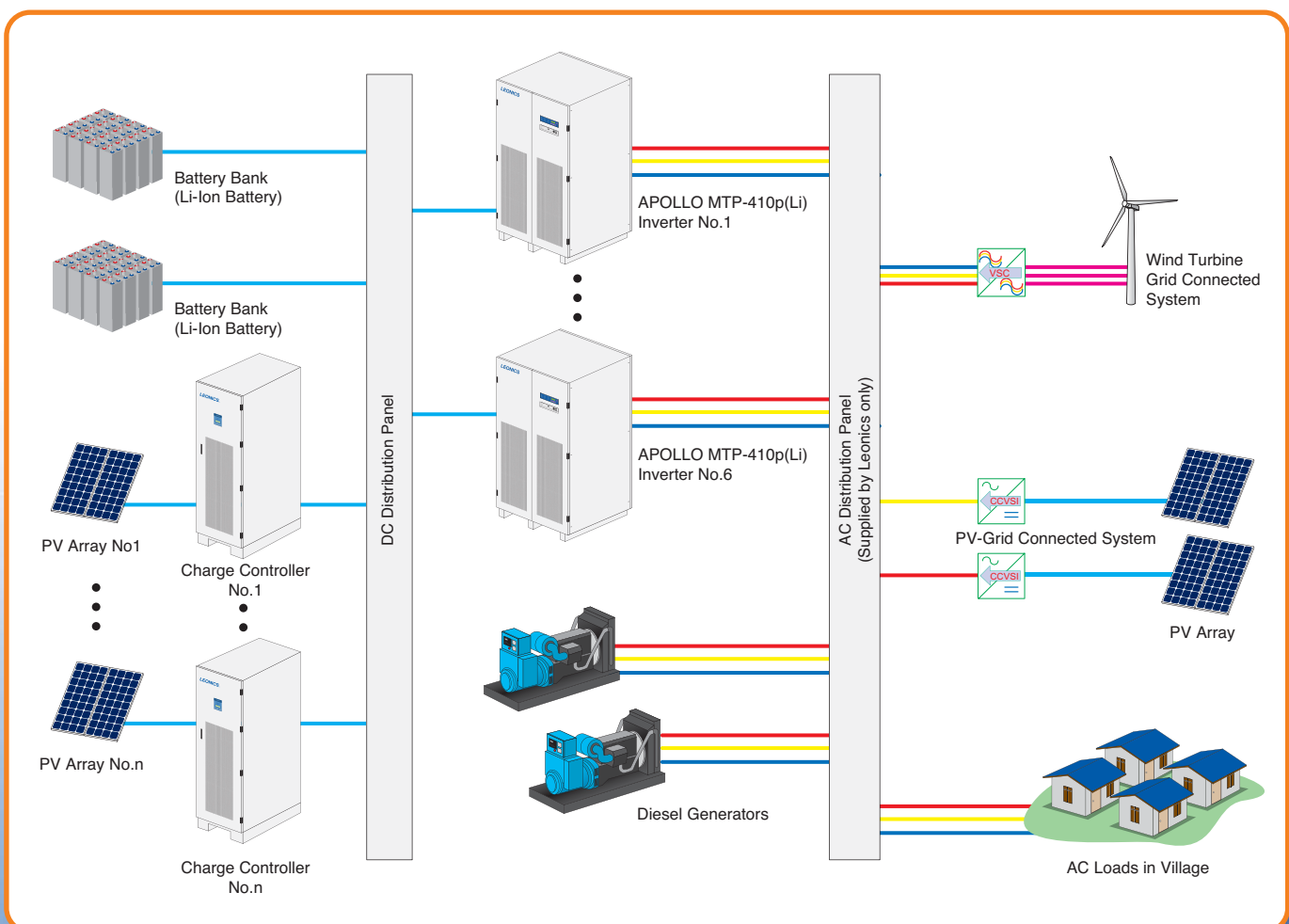


APOLLO MTP-410p(Li)

Three Phase Bidirectional Parallel Inverter for Mini-Grid / Micro-Grid System

- Inverter for multi-master PCE system (Not master-slave operation)
- High efficiency > 96% (measuring by including the output transformer)

- Design for using with lead acid and Li-ion battery
- Communication port for using with Li-ion BMS
- Three phase bidirectional inverter with built-in output transformer
- Capable to use with multiple renewable energy sources in both DC coupling and AC coupling such as solar (PV) panel, wind turbine generator and micro hydro generator
- Seperate DC Bus for multiple source charging
- Parallel configuration up to 6 units of inverter
- Capable to operate in N+1 redundancy configuration for very high reliability in remote area
- No master unit required
- Expand power by adding inverter from 1 to 6 units without master controller
- ISO 9001 and ISO 14001 certified factory



APOLLO MTP-410p(Li) series Three Phase Bidirectional Parallel Inverter for Mini-Grid / Micro-Grid System

MODEL		MTP-419Kp(Li)	MTP-4110Kp(Li)	MTP-4113Kp(Li)	MTP-4115Kp(Li)	MTP-4117Kp(Li)	MTP-4118Kp(Li)	MTP-4122Kp(Li)
RATED POWER		100 kW / 100 kVA	120 kW / 120 kVA	200 kW / 200 kVA	250 kW / 250 kVA	300 kW / 300 kVA	350 kW / 350 kVA	550 kW / 550 kVA
DC INPUT	Nominal voltage	700 Vdc						
	Max. charging current	96 A	115 A	192 A	240 A	288 A	336 A	528 A
	Max. discharge current	195 A	234 A	389 A	486 A	586 A	684 A	1,075 A
	Standby power consumption	20 W						
EXTERNAL DC CHARGER	Nominal voltage	700 Vdc						
	Maximum current	200 A	240 A	400 A	400 A	500 A	500 A	800 A
AC CONNECTING POINT	Voltage	380 / 400 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N)						
	Voltage regulation	± 3% (steady load), < 7% at 100% step load within 0.1 sec.						
	Phase	Three phase						
	Frequency	50 / 60 Hz ± 0.1% (auto sensing)						
	Wave form	Pure sine wave						
	Total harmonic distortion	Total < 3%						
	Maximum surge current	200%						
	Maximum charge current	152 A	182 A	303 A	378.8 A	454.5 A	530 A	836 A
	Maximum supply current	152 A	182 A	303 A	378.8 A	454.5 A	530 A	836 A
ISOLATION	Galvanic isolation	yes						
EFFICIENCY	Inverter peak efficiency	> 96%						
PROTECTION		Over current, Overload, Short circuit, Over temperature, Over voltage, Under voltage						
INDICATOR	LED	External charging, Bypass, AC bus, Generator failure, Standby / Run, Inverter, Charging, Load on inverter, Overload, Low battery, High temperature, Fault						
	LCD display	Inverter (voltage, current, frequency, power, reactive power), Generator (voltage, current, frequency, power, reactive power), Battery (voltage, current, stage of charge(%), charging current), Heat sink temperature, Battery temperature (option), Equalization date, Today DC inverter energy (input, output), Today AC inverter energy (input, output), Accumulated DC energy (input, output), Accumulated AC energy (input, output), System status, Time, Date, Data log						
AUDIBLE ALARM		Low battery, Inverter fault, High temperature						
COOLING		Automatic cooling fan						
ENVIRONMENT	Temperature	0 - 45°C						
	Relative humidity	0 - 95% (non-condensing)						
DESIGN REGULATION	Standard	AS/NZ 3100:2002						
DIMENSION (W x H x D) (cm)	Control unit	120 x 205 x 105	80 x 205 x 105					120 x 205 x 105
	Transformer unit	-	120 x 205 x 105					120 x 205 x 105
WEIGHT (approximate in kg)	Control unit	1,020	1,040	617	642	667	692	800
	Transformer unit	-	-	1,230	1,280	1,330	1,380	1,600

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 Tai, Bangna, Bangkok 10260 THAILAND Tel. 0-2746-9500 Fax. 0-2746-8712 e-mail : RNE@leonics.com

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