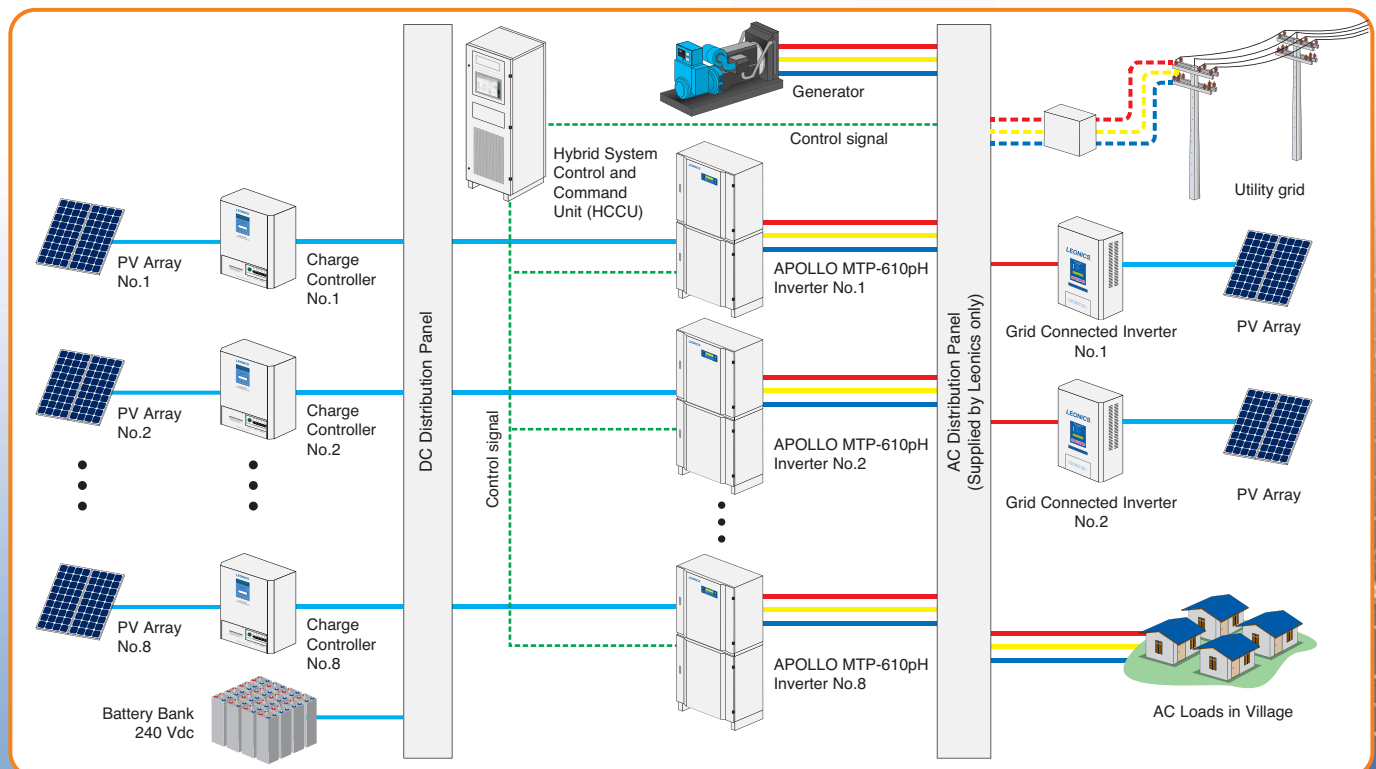
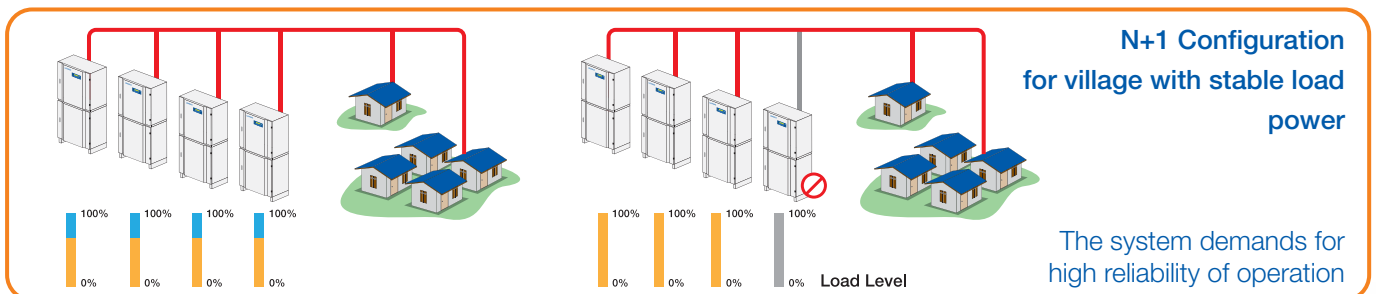


APOLLO MTP-610pH

Three Phase Bidirectional Parallel Inverter



- High efficiency bidirectional inverter with built-in output transformer
 - Capable to use with multiple renewable energy sources in both DC coupling and AC coupling such as PV panel, wind turbine generator and micro hydro generator
 - Generator connected signal when the generator provide as other energy source of the system
 - Separate DC Bus for multiple source charging
 - No master unit required
 - Expandable power by adding inverter from 1 to 8 units without master controller
 - Digital input to select operation between inverter mode or charge mode
 - Operate with Hybrid System Control and Command Unit (HCCU)
 - Capable to interact with utility grid line (option)
 - IP41 protection enclosure
 - ISO 9001 and ISO 14001 certified factory
- Parallel configuration up to 8 units of inverter
 - Capable to operate in N+1 redundancy configuration for very high reliability in remote area



APOLLO MTP-610pH series Three Phase Bidirectional Parallel Inverter

MODEL		MTP-613FpH	MTP-614FpH
RATED POWER		25 kVA / 25 kW	30 kVA / 30 kW
BATTERY	Nominal Voltage	240 Vdc	
	Maximum charging current	72 A	84 A
	Maximum battery current	142 A	170 A
AC SOURCE (GRID LINE OR GENERATOR)	Recommended generator power	38 kVA	45 kVA
	Voltage	380 / 400 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N)	
	Phase	Three phase	
	Frequency	50 / 60 Hz \pm 3 Hz	
	Max. AC current (for charge mode)	37.9 A	45.4 A
	Start / stop generator	Relay dry contact 10 A (ACC contact)	
AC OUTPUT	Voltage	380 / 400 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N)	
	Voltage regulation	\pm 3% (steady load), < 7% at 100% step load within 0.1 sec.	
	Phase	Three phase	
	Frequency	50 / 60 Hz \pm 0.1% (auto sensing)	
	Wave form	Pure sine wave	
	Total harmonic distortion	total < 3%	
	Maximum surge current	200%	
	Maximum AC current	37.9 A	45.4 A
ISOLATION	Galvanic isolation	yes	
EFFICIENCY	Inverter peak efficiency	> 96%	
PROTECTION		Over current, over load, short circuit, over temperature, over voltage, under voltage	
	Battery temperature sensor	option	
DIGITAL INPUT SIGNAL		Auxillary inverter circuit breaker, Auxillary generator circuit breaker, Auxillary Bypass circuit breaker / Load transfer switch	
INDICATOR	LED	Stand by/Run, AC, Full battery/Low battery, Alarm	
	LCD display	Inverter (voltage, current, frequency, power, reactive power), AC Bus (voltage, frequency), Battery (voltage, current, state of charge(%)), External DC charging current, Charging status, Battery charging voltage set points, Equalization charge date, Heat sink temperature, Battery temperature (option), Today AC inverter energy (input / output), Today DC inverter energy (input / output), Accumlated AC inverter energy (input / output), Accumlated DC inverter energy (input / output), System status, Load transfer switch signal status, Digital input signal status, Time, Date, Data and Event log	
AUDIABLE ALARM	Buzzer	Low battery, inverter fault, overload, short circuit, over temperature	
COOLING		Automatic cooling fan	
ENVIRONMENT	Temperature	0 - 45°C	
	Relative humidity	0 - 95 % (Non - condensing)	
DESIGN	Standard	AS/NZ 3100:2002, IEC 61683 (for efficiency test)	
REGULATION	Enclosure	IP41	
DIMENSION (W x H x D) in cm	Control unit	80 x 80 x 65	
	Transformer unit	80 x 103 x 65	
WEIGHT (Approximate in kg)	Control unit	141 kg	141 kg
	Transformer unit	305 kg	310 kg

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



Control Unit



Transformer Unit

Authorized Distributor

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