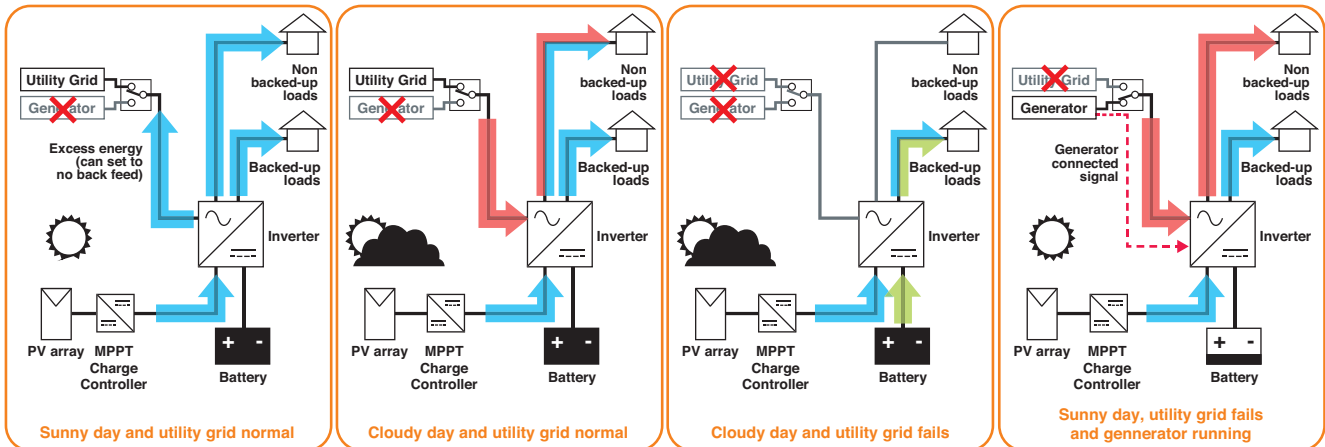
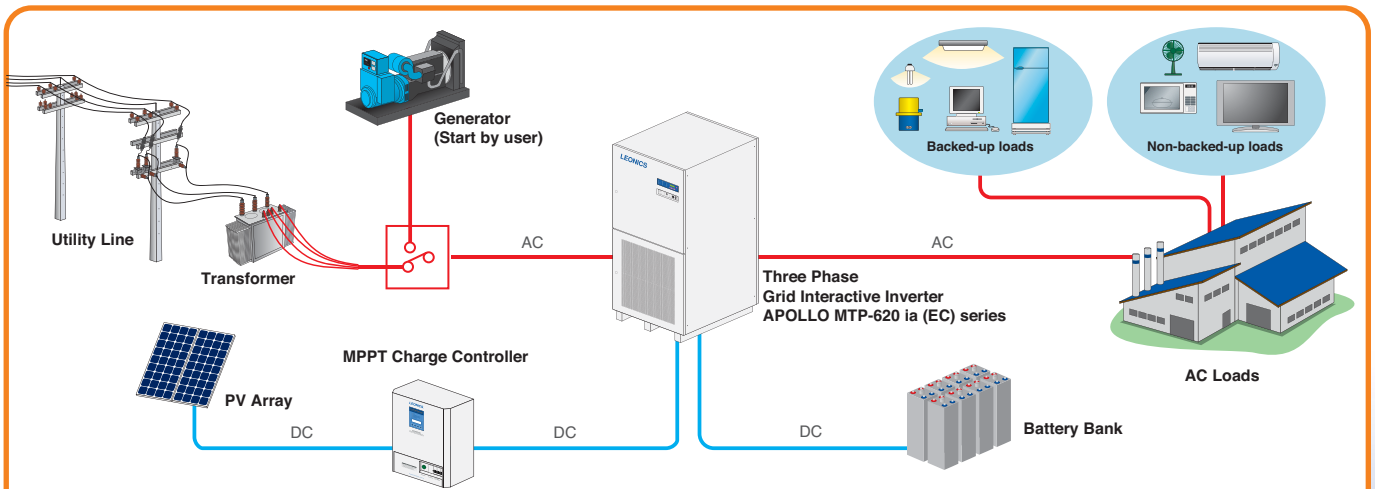


APOLLO MTP-620 ia(EC)

Three Phase Grid Interactive Inverter



- Three phase bidirectional inverter with built-in output transformer
- Provide uninterruptible backup power to load when utility grid line is not available
- Smart battery charging for small battery capacity
- Feeding excess energy back to grid line
- High efficiency > 95%
- Generator connected signal when generator has been used as another source of system
- Special design for using at high grid fluctuation area
- User settable operation:
 1. Excess PV energy back feed to utility line
 2. No PV energy back feed to utility line, PV energy only supply to backed-up and non-backed-up loads
- Battery temperature compensation (Temperature sensor is not included)
- ISO 9001 and ISO 14001 certified factory



The APOLLO MTP-620ia(EC) series is a three phase grid interactive inverter. It can operate as grid tie inverter when utility line is available to reduce energy consumption. The inverter has two outputs. The output that provide backup power from storage and PV for the selected section house when utility line is not available and the output without back up power to help utilize PV power to reduce or prevent back feed power to utility line.

MODEL		MTP-622F ia (EC)	MTP-623F ia (EC)	MTP-624F ia (EC)	MTP-625F ia (EC)	MTP-626F ia (EC)	MTP-627F ia (EC)	MTP-628F ia (EC)	MTP-629F ia (EC)	MTP-6210F ia (EC)	MTP-6211H ia (EC)	MTP-6213H ia (EC)	MTP-6215H ia (EC)	MTP-6217H ia (EC)	
RATED POWER		15 kW	25 kW	30 kW	45 kW	60 kW	75 kW	90 kW	100 kW	120 kW	150 kW	200 kW	250 kW	300 kW	
BATTERY	Nominal Voltage	240 Vdc										480 Vdc			
	Max. inv. charging current	40 A	70 A	84 A	125 A	168 A	200 A	250 A	280 A	335 A	200 A	280 A	350 A	418A	
	Maximum battery current	85 A	142 A	170 A	255 A	340 A	425 A	510 A	570 A	680 A	425 A	570 A	710 A	850 A	
EXTERNAL DC CHARGER	Nominal voltage	240 Vdc										480 Vdc			
	Recommended solar charge controller	Using SOLARCON SCM-240xxx or SCB-240xxx series										Using SOLARCON SCM-480xxx series			
	Maximum PV power	15 kWp	25 kWp	30 kWp	45 kWp	60 kWp	75 kWp	90 kWp	100 kWp	120 kWp	150 kWp	200 kWp	250 kWp	300 kWp	
	Maximum charge current	60 A	100 A	120 A	180 A	240 A	300 A	360 A	400 A	480 A	300 A	400 A	500 A	600 A	
AC INPUT FROM GRID LINE OR GENERATOR	Voltage	380 / 400 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N) ± 10%													
	Phase	Three phase four wires													
	Frequency	50 / 60 Hz ± 3 Hz													
	Max. AC current to inverter	30 A	50 A	60 A	90 A	120 A	150 A	180 A	200 A	240 A	300 A	400 A	500 A	600 A	
	Max. AC current (Total)	60 A	90 A	106 A	160 A	212 A	265 A	318 A	352 A	422	528	700	880	1,055	
AC OUTPUT (BATTERY MODE)	Voltage	380 / 400 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N)													
	Voltage regulation	± 5% (steady load), < 4% at 100% step load within 0.1 sec.													
	Phase	Three phase four wires													
	Frequency	50 / 60 Hz ± 0.1%													
	Wave form	Pure sine wave													
	Total harmonic distortion	Total < 3%													
	Maximum surge current	200% at 2 sec.													
	Max.AC current to load	Backed-up	22.7 A	37.8 A	45.4 A	68.2 A	90.9 A	113.6 A	136.3 A	151.5 A	181.8 A	227.2 A	303 A	378.7 A	454.5 A
	Non-backed-up	30 A	40 A	46 A	70 A	92 A	115 A	138 A	152 A	182 A	228 A	300 A	380 A	455 A	
ISOLATION	Galvanic isolation	yes													
EFFICIENCY	Inverter peak efficiency	> 94%				> 95%									
PROTECTION		Over current, Over load, Short circuit, Over temperature, Over voltage, Under voltage													
INDICATOR	LED	AC Input, Generator Failure, Stand by/Run, Inverter, Charging, Load on Inverter, Overload, Low Battery, High temperature, Fault													
	LCD	Inverter (voltage / current / frequency / power), AC input (voltage / current / frequency / power), Battery (voltage / current / state of charge(%)), Internal charging current, External DC charging current, Charging voltage set points, Charging status, Battery temperature (option), Equalization date, Today AC inverter energy (Input, Output), Today DC inverter energy (Input, Output), Accumulated AC inverter energy (Input, Output), Accumulated DC inverter energy (Input, Output), System status, Time, Date, Heat sink temperature, Data log, Event log													
AUDIABLE ALARM		Low battery, Inverter fault, High temperature													
COOLING		Automatic cooling fan													
ENVIRONMENT	Temperature	0 - 50°C													
	Relative humidity	0 - 95 % (Non - condensing)													
DESIGN STANDARD		AS/NZ 3100:2002													
DIMENSION W x H x D (cm)	Control unit	(A) 60 x 188 x 105, (B) 80 x 80 x 65				90 x 188 x 105				120 x 205 x 105				80x205x105	110 x 205 x 105
	Transformer unit	(B) 80 x 103 x 65				-				-				120x205x105	110 x 205 x 105
WEIGHT Approximate in kg	Control unit	(A)412, (B)141	(A)440, (B)141	(A)450, (B)141	(A)591, (B)144	750	820	1,100	1,125	1,150	1,200	520	765	765	
	Transformer unit	(B)295	(B)303	(B)310	(B)370	-	-	-	-	-	-	1,230	1,290	1,490	

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

Authorized Distributor

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