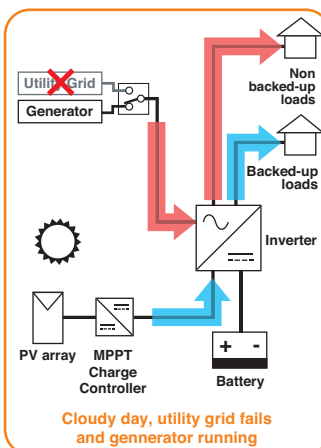
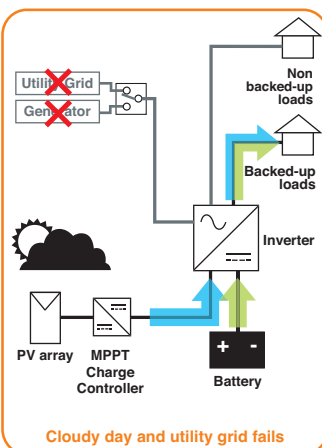
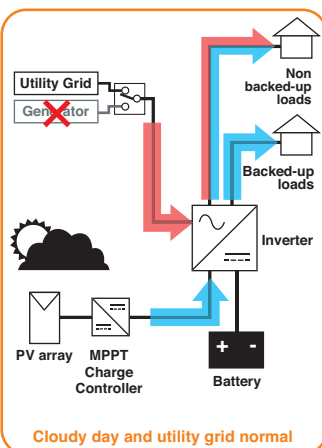
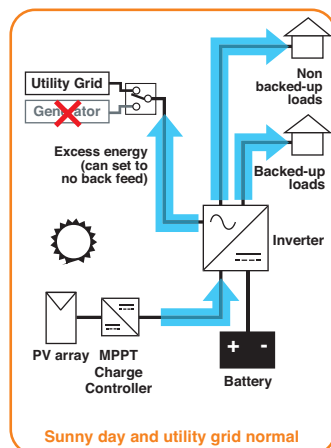
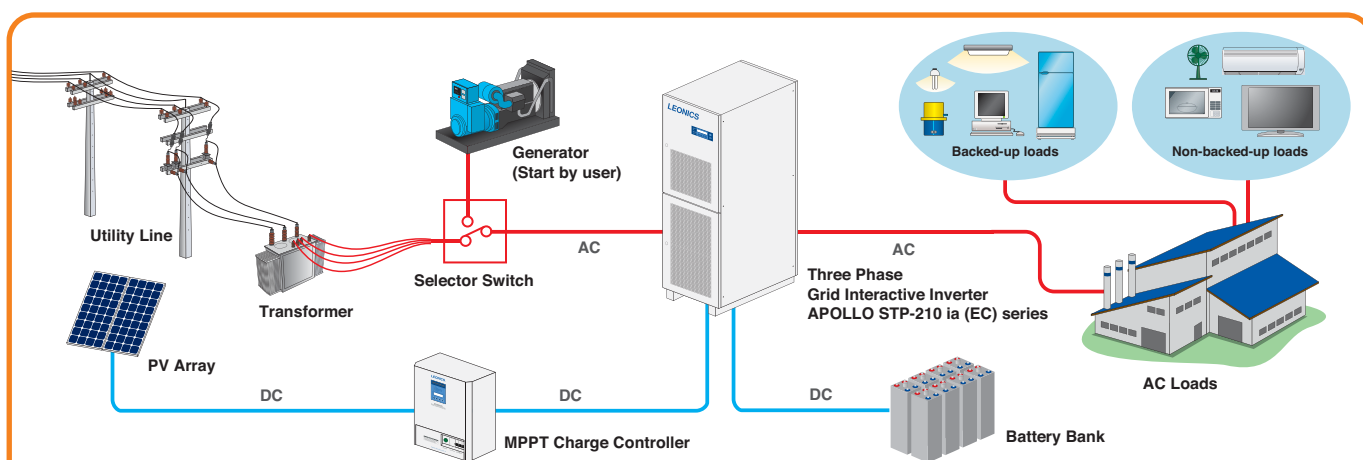


APOLLO STP-210 ia(EC)

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 STP-210 ia(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 in the industry and can become backup power source for the selected section or the whole house by using energy from PV and battery when utility line is not available. The grid interactive inverter is suitable for 3-phase industrial applications.

APOLLO STP-210 ia(EC) series Three Phase Grid Interactive Inverter

MODEL		STP-219C ia(EC)	STP-2110C ia(EC)
RATED POWER		15 kVA / 15 kW	18 kVA / 18 kW
BATTERY	Nominal Voltage	48 Vdc	
	Max. inverter charging current	200 A	240 A
	Maximum battery current	390 A	460 A
EXTERNAL DC CHARGER	Nominal voltage	48 Vdc	
	Recommended charge controller	Using 3 units of SOLARCON SCB-48120	
	Maximum PV power	15 kWp	18 kWp
	Maximum charge current	300 A	360 A
AC INPUT FROM GRID LINE OR GENERATOR	Voltage	380 / 400 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N) $\pm 10\%$	
	Phase	Three phase four wires	
	Frequency	50 / 60 Hz ± 3 Hz	
	Max. AC current to inverter	30 A	37 A
	Maximum AC current (Total)	60 A	70 A
AC OUTPUT (BATTERY MODE)	Voltage	380 / 400 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N)	
	Voltage regulation	$\pm 5\%$ (steady load), $< 4\%$ at 100% step load within 0.1 sec.	
	Phase	Three phase four wires	
	Frequency	50 / 60 Hz $\pm 0.1\%$	
	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 Non Backed-up 30 A	27.3 A 30 A
ISOLATION	Galvanic isolation	yes	
EFFICIENCY	Inverter peak efficiency	$> 95\%$	
PROTECTION		Over current, Over load, Short circuit, Over temperature, Over voltage, Under voltage	
INDICATOR	LED	Stand by/Run, AC, Full battery/Low battery, Alarm	
	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)	60 x 148 x 105 cm	
WEIGHT	Approximate in kg	350 kg	359 kg

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

Authorized Distributor

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