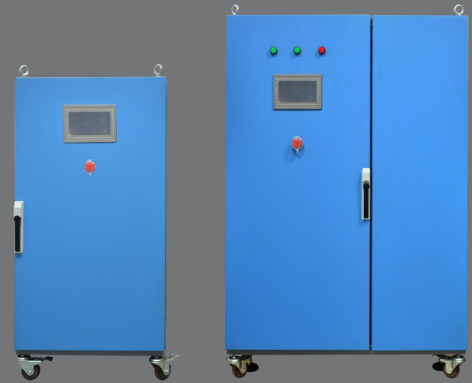
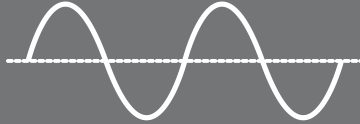


TPI Series

THREE PHASE OFF GRID INVERTER

COSUPER
Cool life Super power

Reliable power supply solution For off grid power system



The range of COSUPER TPI inverters is designed to meet power requirements in locations not covered by the grid or where electricity is very expensive.

The main feature of TPI inverters is that they are capable of generating electricity from Batteries to create 3-phase power to operate the appliances.

TPI inverters is designed with three phase balance technology to allow three phase inverters give single phase power. With the low-frequency technology, TPI has a better operation performance and stability especially on inductive loads.

Three phase balance supports both single phase and three phase at the same time.

Product Features

- Pure sine wave output runs all loads from office industrial equipment
- Monitoring the unit from LCD
- Three phase balanced, support both single phase output & three phase output
- As back-up or for clients with high power availability requirements
- 18 months warranty

Protection

- Battery DC over voltage and low voltage protection
- Short circuit protection
- Over temperature protection
- Over load protection
- Reverse protection
- Lack phase protection

Application



Mobile homes



Off grid solar system

Power Range



COSUPER SUZHOU ENERGY TECHNOLOGY CO.,LTD

#18 Building
No.99, Gangtian Road
Suzhou, Jiangsu Province, China
0086 512 68638910 Phone
0086 512 68638916 Fax

www.cosuper.com

TPI Series

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MODEL	TPI10K	TPI12K	TPI15K	TPI20K	TPI30K	TPI40K	TPI50K
INVERTER OUTPUT							
3-Phase Rated Power	10KW	12KW	15KW	20KW	30KW	40KW	50KW
3-Phase Surge Power	30KW	36KW	45KW	60KW	90KW	120KW	150KW
Single Phase Power	3.3KW	4KW	5KW	6.6KW	10KW	13.3KW	16.6KW
Waveform	Pure sine wave (THD < 3%) (Linear load 0-100%)						
AC Voltage Regulation (Batt.Mode)	380/400/415 VAC ± 5%						
Output Frequency	50 / 60Hz						
Inverter Efficiency (Peak)	89%						
Overload Capacity	120% load 2sec, 150% load 1 sec						
Dynamic Response (0 to 100% load)	In 1 sec						
Power Factor	0.8						
Bypass Transfer Time	Utility to inverter 0 sec; Inverter to bypass ≤ 5ms						
DC & AC INPUT							
DC Input Voltage	96/192/220/384/480 VDC (customizable)						
AC Input Voltage	380VAC ± 5% (customizable)						
AC Input Frequency	50 / 60 ± 5Hz						
PROTECTION							
Overload Protection	100~120%, alarm 20s and auto switch to bypass mode >120%, alarm 10s and auto shutdown						
Low DC Input Protect Point	88VDC for 96V ver; 176VDC for 192V ver; 180VDC for 220V ver; 352VDC for 384V ver; 440VDC for 480V ver (customizable)						
Inverter Protection	Under voltage, overvoltage, output over-current, short circuit & overheating, reverse						
Short Circuit Protection	By AC breaker; No automatic recovery(manual restart the machine)						
GENERAL PARAMETER							
Operating / Storage Temp	-30℃ ~ 50℃ / -30℃ ~ 85℃						
Operating	By LCD						
Working Humidity	20-95% Non-freezing						
Storage Humidity	30-95% Non-freezing						
Noise	< 60 dB (Within 1 meter)						
Working Atmosphere	86Kpa~106Kpa						
Dimension (mm)	600×600×1100				1000×600×1500		
Weight (Kg)	160	180	210	230	285	380	480

*Specifications are subject to change without notice

TPI Series

THREE PHASE OFF GRID INVERTER

COSUPER

Cool life Super power

MODEL	TPI60K	TPI80K	TPI100K
INVERTER OUTPUT			
3-Phase Rated Power	60KW	80KW	100KW
3-Phase Surge Power	180KW	240KW	300KW
Single Phase Power	20KW	26.6KW	33.3KW
Waveform	Pure sine wave (THD < 3%) (Linear load 0-100%)		
AC Voltage Regulation (Batt.Mode)	380/400/415 VAC ± 5%		
Output Frequency	50 / 60Hz		
Inverter Efficiency (Peak)	87%		
Overload Capacity	≤120% load 20sec, >120% load 10 sec		
Dynamic Response (0 to 100% load)	In 1 sec		
Power Factor	0.8		
Bypass Transfer Time	Utility to inverter 0 sec; Inverter to bypass ≤ 5ms		
Bypass Output	MAX 120%*rated power		
DC & AC INPUT			
DC Input Voltage	384/480 VDC	480 VDC	
AC Input Voltage	380VAC ± 5% (customizable)		
AC Input Frequency	50 / 60 ± 5Hz		
PROTECTION			
Overload Protection	100~120%, alarm 20s and auto switch to bypass mode >120%, alarm 10s and auto shutdown		
Low DC Input Protect Point	352VDC for 384V version; 440VDC for 480V version (Customizable)		
Inverter Protection	Under voltage, overvoltage, output over-current, short circuit & overheating, reverse		
Short Circuit Protection	By AC breaker; No automatic recovery(manual restart the machine)		
GENERAL PARAMETER			
Operating / Storage Temp	-30℃ ~ 50℃ / -30℃ ~ 85℃		
Operating	By LCD		
Working Humidity	20-95% Non-freezing		
Storage Humidity	30-95% Non-freezing		
Noise	< 60 dB (Within 1 meter)		
Working Atmosphere	86Kpa~106Kpa		
Dimension (mm)	1000×600×1500		
Weight (Kg)	520	660	800

*Specifications are subject to change without notice