

**COSUPER**

RENEWABLE ENERGY  
POWER PRODUCTS

**2018**

ENERGY STORAGE SYSTEM  
INVERTER CHARGERS  
INVERTERS

# ABOUT US

COSUPER has kept focus on renewable energy and off grid systems for more than ten years to provide the reliable power products worldwide.

All COSUPER's products are designed for the integrated electrical systems. To satisfy the rapid growing needs of renewable energy and clean power, COSUPER engineers develops the reliable power products to let people enjoy the clean and continuous power.

Besides offering sine wave power products, COSUPER also have extensive experience on energy solution providing. With full range power products, customers get variety systems suggestions and correct configuration to meet the needs.

Manufactured in China with high quality components and qualified by ETL and CE to offer users with safe power source in different conditions. COSUPER works closely with users to design and produce the reliable and safe inverters, inverter chargers and the integrated power systems.

For more products, visit our web site:  
[WWW.COSUPER.COM](http://WWW.COSUPER.COM)

# CONTENTS

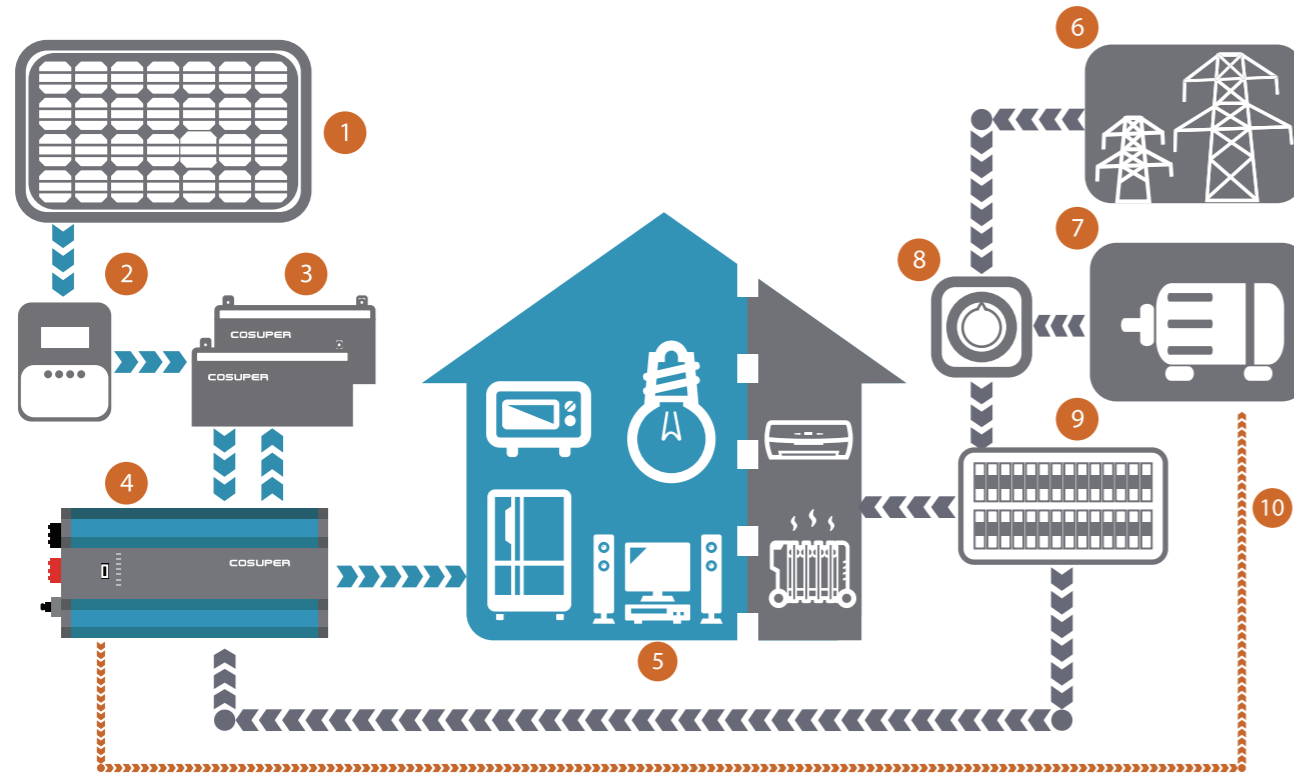
SMART INVERTER CHARGERS .....	3
RESIDENTIAL INVERTER CHARGERS .....	5
HF SOLAR INVERTER CHARGER .....	7
HF DC-AC INVERTER .....	8
HF U.P.S INVERTER .....	9
HF THREE PHASE INVERTER .....	10
LF THREE PHASE INVERTER .....	11
ENERGY STORAGE SYSTEM .....	12
BATTERIES .....	13
ACCESSORIES .....	14

# RENEWABLE ENERGY SYSTEM

## BACKUP POWER DIAGRAM

Backup power system is different from the interactive solar grid-tie system which feeds the electricity back to grid, it will function when the AC input fails or unstable utility AC happens. The core part is the inverter charger. Inverter charger works as the backup power supply which take action when AC power fails.

COSUPER off grid power products provide the reliable power. With model available in 12, 24 and 48V configurations and power range from 1000 watts to 12000 watts, users can get the certain power solution for a variety of situation.

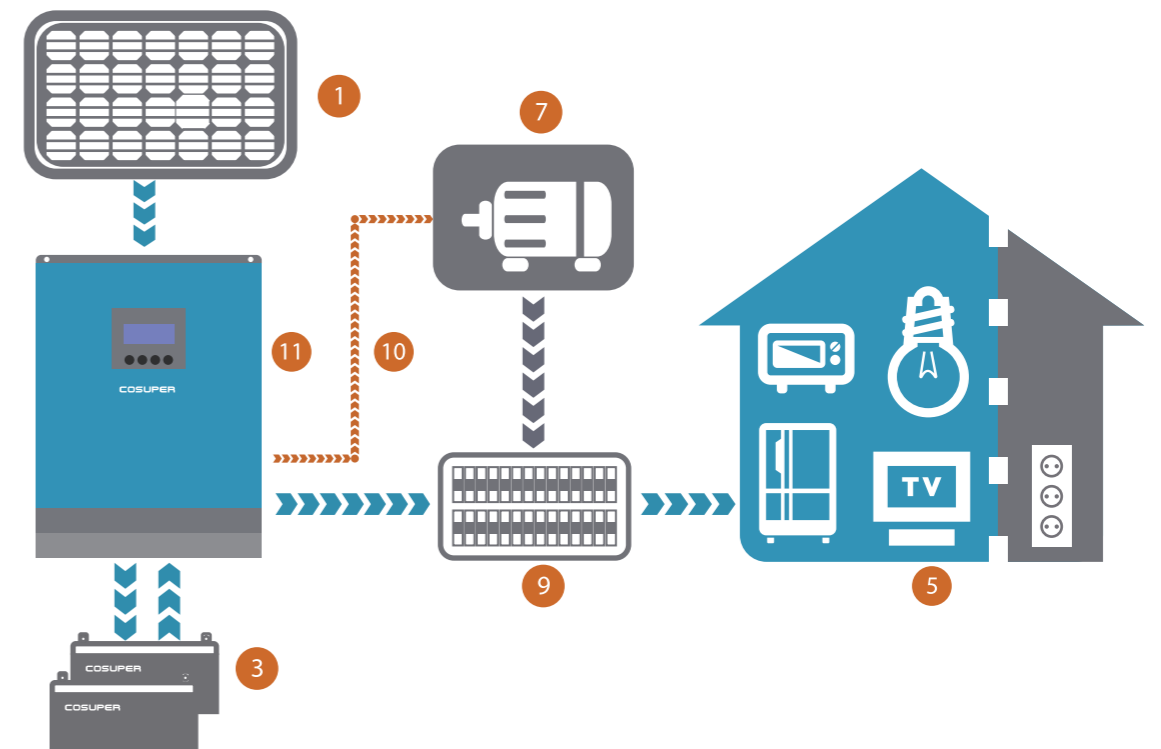
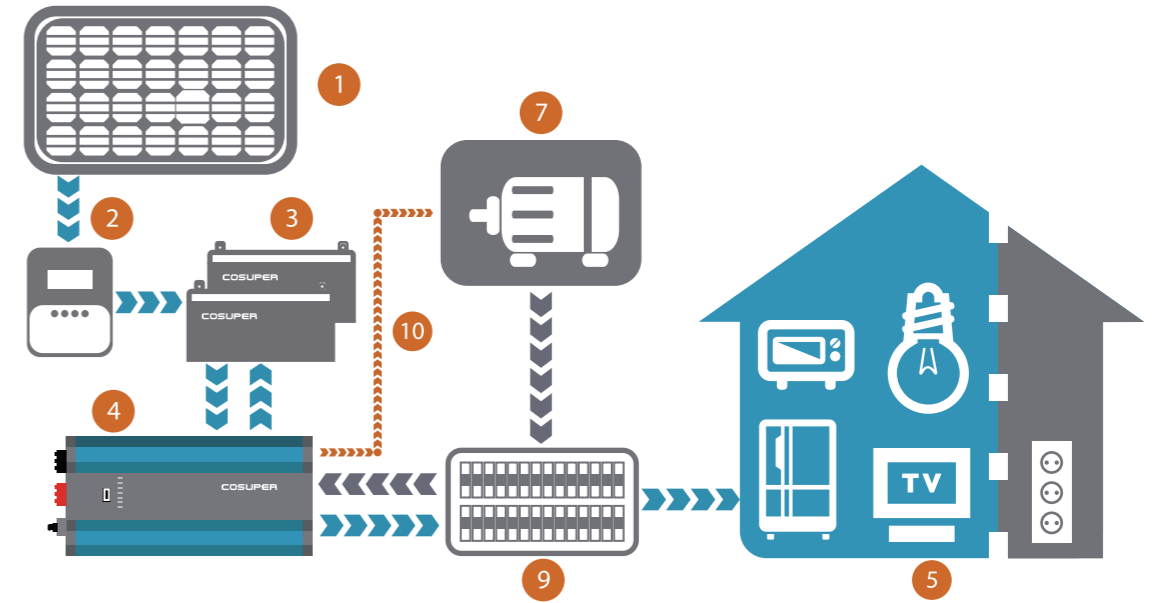


- 1 Solar panels
- 2 MPPT solar charge controller
- 3 Battery bank
- 4 Inverter charger
- 5 Household appliances
- 6 Grid(Utility AC power)
- 7 Generator
- 8 Manual transfer switch
- 9 Main panel 120V or 230V
- 10 Inverter gen start signal
- 11 Solar inverter charger

# RENEWABLE ENERGY SYSTEM

## OFF GRID POWER DIAGRAM

In the condition of off grid, without utility power input, all the system can be run by inverter or backup generator. Inverter draws power from battery and power all the loads. Use integrated solar inverter, users can get a easier installation.



# CPT SERIES

## 1000 - 3000W INVERTER CHARGER

CPT pure sine wave inverter charger is the combination of inverter, battery charger and AC auto transfer switch. With the backup UPS function, when utility AC power fails, the transfer switch and relay will be energized to switch to DC power source to maintain all the power system working continuously.



- Battery voltage - 12V/ 24V/ 48V available
- Charger - Lithium compatibility
- PERFORM - Heavy duty design
- Topology - Low frequency

### CPT SERIES MAIN FEATURES

#### DC/AC SOURCE AUTO SWITCH

CPT inverter charger works with the optional source priority. With nominal AC and DC power input, no matter AC or DC fails, CPT will switch to the another source to ensure the loads keeping work.

#### LITHIUM BATT CHARGER

Lithium battery requires a different charging mode from the traditional 3-stage charging. COSUPER designed the charging software to provide users with more options of battery charging.

#### A.V.R(OPTIONAL)

A.V.R is the abbreviation of Automatical voltage regulator. COSUPER combines the A.V.R function into CPT unit to gives a constant and correct output voltage in bypass mode. This protects the appliances from being destroyed by bumping utility voltage

#### STANDBY MODE

It is also named as POWER SAVER mode in the inverter charger. It helps preserve battery capacity over long period of no operation.

# CPT SERIES

## 4000 - 6000W INVERTER CHARGER

CPT pure sine wave inverter charger is the combination of inverter, battery charger and AC auto transfer switch. With the backup UPS function, when utility AC power fails, the transfer switch and relay will be energized to switch to DC power source to maintain all the power system working continuously.



- Battery voltage - 24V/ 48V available
- Charger - Lithium compatibility
- PERFORM - Heavy duty design
- Topology - Low frequency

### CPT SERIES MAIN FEATURES

#### DC/AC SOURCE AUTO SWITCH

CPT inverter charger works with the optional source priority. With nominal AC and DC power input, no matter AC or DC fails, CPT will switch to the another source to ensure the loads keeping work.

#### LITHIUM BATT CHARGER

Lithium battery requires a different charging mode from the traditional 3-stage charging. COSUPER designed the charging software to provide users with more options of battery charging.

#### A.V.R(OPTIONAL)

A.V.R is the abbreviation of Automatical voltage regulator. COSUPER combines the A.V.R function into CPT unit to gives a constant and correct output voltage in bypass mode. This protects the appliances from being destroyed by bumping utility voltage

#### STANDBY MODE

It is also named as POWER SAVER mode in the inverter charger. It helps preserve battery capacity over long period of no operation.

MODELS	CPT1000	CPT1500	CPT2000	CPT3000
<b>INVERTER SPECIFICATIONS</b>				
Continuous power	1000 watts	1500 watts	2000 watts	3000 watts
Surge power	3000 watts	4500 watts	6000 watts	9000 watts
AC output voltage	120 VAC +/- 5%; 230VAC +/- 3%			
AC output frequency	50/ 60Hz +/- 0.5%			
AC output waveform	Pure sine wave (THD < 5%)			
Rated DC voltage	12/ 24 VDC	12/ 24/ 48 VDC	12/ 24/ 48 VDC	12/ 24/ 48 VDC
Charge current	35/ 20 ADC	45/ 25/ 15 ADC	65/ 30/ 20 ADC	75/ 45/ 30 ADC
Max. efficiency	87%	88%	88%	88%
Bypass Current	20 AAC	20 AAC	30 AAC	30 AAC
Output Phase	Single	Single	Single	Single
<b>ENVIRONMENT SPECIFICATIONS</b>				
Operating temperature	-20°C to +50°C			
<b>GENERAL INFORMATION</b>				
Dimension(LxWxH)	45.5x25.0x18.5 cm	45.5x25.0x18.5 cm	52.5x25.0x18.5 cm	52.5x25.0x18.5 cm
Weight	15 kg	17 kg	20 kg	24 kg
Warranty	18 months			
Remote	PTM-12, CR10			
Battery type	LiFePO4, AGM, GEL or Customized			

MODELS	CPT4000	CPT5000	CPT6000
<b>INVERTER SPECIFICATIONS</b>			
Continuous power	4000 watts	5000 watts	6000 watts
Surge power	12000 watts	15000 watts	18000 watts
AC output voltage	120 VAC +/- 5%; 230VAC +/- 3%		
AC output frequency	50/ 60Hz +/- 0.5%		
AC output waveform	Pure sine wave (THD < 5%)		
Rated DC voltage	24/ 48 VDC	24/ 48 VDC	24/ 48 VDC
Charge current	65/ 35 ADC	70/ 40 ADC	75/ 50 ADC
Max. efficiency	88%	89%	88%
Bypass Current	40 AAC	40 AAC	40 AAC
Output Phase	Single	Single	Single
<b>ENVIRONMENT SPECIFICATIONS</b>			
Operating temperature	-20°C to +50°C		
<b>GENERAL INFORMATION</b>			
Dimension(LxWxH)	65.0x25.0x18.5 cm	65.0x25.0x18.5 cm	65.0x25.0x18.5 cm
Weight	35 kg	43 kg	45 kg
Warranty	18 months		
Remote	PTM-12, CR10		
Battery type	LiFePO4, AGM, GEL or Customized		

# CPS SERIES

## 8000 - 12000W INVERTER CHARGER

CPS heavy duty inverter charger is specifically designed for residential and commercial use. Negligible switch time between DC and utility power source ensures no interrupted power supply for PC. CPS makes it easier to get MAX 12KW output power strengthens the whole off grid system electricity supply by 48V battery systems.



# LPT SERIES

## 1000 - 6000W INVERTER CHARGER

LPT series inverter charger is a pure sine wave inverter line for the loads in house specifically for off grid energy storage system. The power range is from 1KW to 6KW with 12, 24 and 48VDC models, providing users with the reliable and cost effective power source.



Mobilehouse Solar Off Grid Solar

### CPS SERIES MAIN FEATURES

#### BACKUP U.P.S

CPS inverter charger works with the optional source priority. With nominal AC and DC power input, no matter AC or DC fails, CPS will switch to the another source to ensure the loads keeping work.

#### LITHIUM BATT CHARGER

Lithium battery requires a different charging mode from the traditional 3-stage charging. COSUPER designed the charging software to provide users with more options of battery charging.

#### A.V.R (Optional)

A.V.R is the abbreviation of Automatical voltage regulator. COSUPER combines the A.V.R function into CPT unit to gives a constant and correct output voltage in bypass mode. This protects the appliances from being destroyed by bumping utility voltage

#### STANDBY MODE

It is also named as POWER SAVER mode in the inverter charger. It helps preserve battery capacity over long period of no operation.

### LPT SERIES MAIN FEATURES

#### U.P.S FUNCTION

LPT inverter charger works with the optional source priority. With nominal AC and DC power input, no matter AC or DC fails, LPT will switch to the another source to ensure the loads keeping work.

#### DIGITAL DISPLAY

Alphanumeric display gives the information of battery voltage, output voltage, frequency, input AC voltage and additional operation codes.

#### STANDBY MODE

It is also named as POWER SAVER mode in the inverter charger. It helps preserve battery capacity over long period of no operation. LPT automatically start work as soon as the output power equal to or larger than 50 watts. If not it will keep energy saving to protect battery from being exhausted.



RV Solar Mobilehouse Solar Off Grid Solar

- Battery voltage - 48V available
- Charger - Lithium compatibility
- PERFORM - Heavy duty design, U.P.S
- Topology - Low frequency

- Battery voltage - 12V/ 24V/ 48V available
- Charger - 3 Stage AC charger
- PERFORM - Heavy duty design
- Topology - Low frequency

MODELS	CPS8000	CPS10000	CPS12000
<b>INVERTER SPECIFICATIONS</b>			
Continuous power	8000 watts	10000 watts	12000 watts
Surge power	24000 watts	30000 watts	36000 watts
AC output voltage	120 VAC +/- 5%; 230VAC +/- 3%		
AC output frequency	50/ 60Hz +/- 0.5%		
AC output waveform	Pure sine wave (THD < 5%)		
Rated DC voltage	48 VDC	48 VDC	48 VDC
Charge current	55 ADC	70 ADC	80 ADC
Max. efficiency	87%	88%	86%
Bypass current	80 AAC	80 AAC	80 AAC
Output phase	Single	Single	Single
<b>ENVIRONMENT SPECIFICATIONS</b>			
Operating temperature	-20°C to +50°C		
<b>GENERAL INFORMATION</b>			
Dimension(LxWxH)	63.0x50.5x21.0 cm	63.0x50.5x21.0 cm	63.0x50.5x21.0 cm
Weight	65 kg	70 kg	77 kg
Warranty	18 months		
Remote	PTM-12, CR10		
Battery type	LiFePO4, AGM, GEL or Customized		

MODELS	LPT1000	LPT2000	LPT3000	LPT4000	LPT5000	LPT6000
<b>INVERTER SPECIFICATIONS</b>						
Continuous power	1000 watts	2000 watts	3000 watts	4000 watts	5000 watts	6000 watts
Surge power	3000 watts	6000 watts	9000 watts	12000 watts	15000 watts	18000 watts
AC output voltage	120 VAC +/- 5%; 230VAC +/- 3%					
AC output frequency	50/ 60Hz +/- 0.5%					
AC output waveform	Pure sine wave (THD < 5%)					
Rated DC voltage	12/ 24 VDC	12/ 24/ 48 VDC	12/ 24/ 48 VDC	24/48 VDC	24/48 VDC	24/ 48 VDC
Charge current	35/ 20 ADC	65/ 30/20 ADC	75/ 45/ 30 ADC	65/ 35 ADC	70/ 40 ADC	75/ 50 ADC
Max. efficiency	86%	87%	88%	88%	86%	86%
Bypass current	20 AAC	20 AAC	30 AAC	40 AAC	40 AAC	40 AAC
Output phase	Single	Single	Single	Single	Single	Single
<b>ENVIRONMENT SPECIFICATIONS</b>						
Operating temperature	-20°C to +50°C					
<b>GENERAL INFORMATION</b>						
Dimension(LxWxH)	LPT1000: 42.5x25.0x18.1 cm		LPT2000 & LPT3000: 50.0x25.0x18.1 cm		LPT4000 - LPT6000: 62.5x25.0x18.1 cm	
Weight	35 kg	35 kg	35 kg	35 kg	35 kg	35 kg
Warranty	18 months					
Remote	CR10					
Battery type	AGM, GEL or Customized					

# LPE SERIES

## 800 - 4000W INVERTER CHARGER

LPE series are combined with integrated AC charger, auto transfer switch and inverter unit for renewable energy storage systems. With the internal power management, LPE becomes the most intelligent solar inverter. It works between utility AC and battery power automatically.



# SPH SERIES

## 300 - 3000W INVERTER CHARGER

SPH inverter is the DC to AC inverter line for household to provide users with reliable AC power. Pure sine wave suit to all of the sensitive electronic loads.



Mobilehouse Solar Off Grid Solar

### LPE SERIES MAIN FEATURES

#### CHARGING PRIORITY

LPE series support manual selecting charging source priority between utility AC power and solar power.

#### RE-PROGRAMMABLE

Users are able to make the inverter become the partner of their power systems by reprogram the charging specification such as low voltage and charging DC current. The MAX charging current of LPE4000VA and LPE5000VA model reaches to 120Amp.

#### DIGITAL DISPLAY

Alphanumeric display gives the information of battery voltage, output voltage, frequency, input AC voltage, work mode and additional operation code.

#### STACKABLE

LPE4KVA and LPE5KVA allow stackable use by parallelling. Users will get MAX 24KW output power. Each unit manages the independent group of loads to ensure other appliances not being interrupted.

### SPH SERIES MAIN FEATURES

#### INDEPENDENT HEAT SINK

SPH inverter has the good air flow through the internal independent heat sink to ensure the inverter body cooling touch. With the comfortable temperature, inverter gives a excellent performance of heavy load.

#### REMOTE CONTROLLER

SPH inverters support long remote controller with more than 10 meters.

#### PURE SINE WAVE

With the pure sine wave output, no matter coffee machine, microwave, TV, satellite, printer or other sensitive loads, SPH powerinverter gives the perfect performance of running loads from the household appliances to office devices.



RV Solar Mobilehouse Solar Off Grid Solar

- Battery voltage - 12/ 24/ 48V available
- Charger - Programable AC charger
- PERFORM - Stackable use  
Three phase available
- Topology - High frequency

- Battery voltage - 12V/ 24V/ 48V available
- PERFORM - Strong heat dissipation  
Pure sine wave
- Topology - High frequency

MODELS	LPE1000	LPE2000	LPE3000	LPE4000	LPE5000
<b>INVERTER SPECIFICATIONS</b>					
Continuous power	800 watts	1600 watts	2400 watts	3200 watts	4000 watts
Surge power	1600 watts	3200 watts	4800 watts	6400 watts	8000 watts
AC output voltage	230VAC +/- 3%	230VAC +/- 3%	230VAC +/- 3%	230VAC +/- 3%	230VAC +/- 3%
AC output frequency	50/ 60Hz +/- 0.5%	50/ 60Hz +/- 0.5%	50/ 60Hz +/- 0.5%	50/ 60Hz +/- 0.5%	50/ 60Hz +/- 0.5%
AC output waveform	Pure sine wave (THD < 5%)				
AC charge current	20 ADC	30 ADC	30 ADC	60 ADC	60 ADC
Idle consumption	1.0 ADC	1.0 ADC	0.8 ADC	0.8ADC	1.2 ADC
Max. efficiency	87%	88%	88%	88%	88%
Rated DC voltage	24/ 48 VDC	24/ 48 VDC	24/ 48 VDC	48 VDC	48 VDC
Output phase	Single	Single	Single	Single	Single
<b>ENVIRONMENT SPECIFICATIONS</b>					
Operating temperature	-20°C to +50°C				
<b>GENERAL INFORMATION</b>					
Dimension(LxWxH)	35.5x27.2x12.8 cm				
Weight	7.4 kg	7.6 kg	8.0 kg	12.5 kg	13.5 kg
Warranty	18 months				
Remote	/				
Battery type	AGM, GEL or Customized				

MODELS	SPH300	SPH600	SPH1000	SPH1500	SPH2000	SPH3000
<b>INVERTER SPECIFICATIONS</b>						
Continuous power	300 watts	600 watts	1000 watts	1500 watts	2000 watts	3000 watts
Surge power	600 watts	1200 watts	2000 watts	3000 watts	4000 watts	6000 watts
AC output voltage	120 VAC +/- 5%; 230VAC +/- 3%					
AC output frequency	50/ 60Hz +/- 0.5%					
AC output waveform	Pure sine wave (THD < 5%)					
Rated DC voltage	12/ 24 VDC	12/ 24 VDC	12/ 24/ 48 VDC	12/ 24/ 48 VDC	12/ 24/ 48 VDC	12/ 24/ 48 VDC
Input DC range	10.5 - 15 VDC (x2 for 24V ver. x4 for 48V ver.)					
Max. efficiency	89%	92%	93%	93%	93%	93%
Idle power	3W	3W	9W	9.5W	12W	15W
Output phase	Single	Single	Single	Single	Single	Single
<b>ENVIRONMENT SPECIFICATIONS</b>						
Operating temperature	-20°C to +50°C					
<b>GENERAL INFORMATION</b>						
Dimension(LxWxH)	12.0x9.7x8.5 cm	12.0x9.7x8.5 cm	17.0x26.5x9.6 cm	17.0x35.0x9.6 cm	24.2x46.3x11.8 cm	24.2x46.3x11.8 cm
Weight	1 kg	1.5 kg	2.9 kg	3.2 kg	4.3 kg	5.5 kg
Warranty	18 months					
Remote	CR10					
Battery type	AGM, GEL or Customized					

# LHC SERIES

## 1000 - 3000W U.P.S INVERTER

Unlike the modified sine wave inverter, pure sine wave allows you to watch television without static, play your games on an Xbox™, Playstation™ or Wii™ and run a fluorescent, all of which may not operate properly on a modified sine wave inverters. Safety is paramount and in particular with inverters which is why COSUPER fully electrically isolates the DC (and therefore battery posts, vehicle chassis, etc) from the 110V or 230V AC circuit.



### LHC SERIES MAIN FEATURES



Mobilehouse Solar Off Grid Solar

#### PURE SINE WAVE

With the pure sine wave output, no matter coffee machine, microwave, TV, satellite, printer or other heavy duty equipment, LHC U.P.S gives perfect performance of running loads from the household appliances to office devices.

#### DIGITAL DISPLAY

LCD display gives the working mode guide, battery voltage and charging condition for better reference of inverter.

#### BACKUP U.P.S

LHC inverter charger works with the utility AC power source as the first priority. With nominal AC and DC power input, when AC fails, PSCC will switch to the back up DC source to ensure the loads keeping work. The transfer time is less than 2ms to ensure all the devices continuously working.



# GPI SERIES

## 10KW - 20KW THREE INVERTER

GPI inverter is designed with three phase balance technology to allow three phase inverter give single phase power. With the high-frequency technology, GPI has a better operation performance and lighter weight than traditional low-frequency inverter.

### GPI SERIES MAIN FEATURES

#### THREE PHASE OUTPUT

GPI is designed for industry area to provide 220V, 380V or 400V three phase pure sine wave AC power the same as the utility AC or three phase generator creates.

#### SINGLE PHASE OUTPUT

With three phase balance technology, GPI also allow users use 110V or 230V single phase loads and power the loads without any unbalance.

#### DIGITAL DISPLAY

LED display gives the information of current and voltage of each phase.

#### COMPACT SIZE

High technology creates the super compact size of this three phase inverter. Unlike the traditional three phase inverter, 10KW GPI is only 18 kgs for easy installation.



Mobilehouse Solar Off Grid Solar

- Battery voltage - 24V/ 48V available
- PERFORM - Pure sine wave  
Three phase available  
Customized power available
- Topology - High frequency

MODELS	LHC 1000	LHC 1500	LHC 2000	LHC 3000
<b>INVERTER SPECIFICATIONS</b>				
Continuous power	1000 watts	1500 watts	2000 watts	3000 watts
Surge power	2000 watts	3000 watts	4000 watts	6000 watts
AC output voltage	230VAC +/- 3%			
AC output frequency	50Hz +/- 0.5%			
AC output waveform	Pure sine wave (THD < 5%)			
Rated DC voltage	12/ 24 VDC	12/ 24 VDC	12/ 24 VDC	12/ 25 VDC
Charge current	20/ 10 ADC	20/ 10 ADC	25/ 12 ADC	25/ 12 ADC
Max. efficiency	87%	88%	88%	88%
Bypass current	20 AAC	20 AAC	30 AAC	30 AAC
Output phase	Single	Single	Single	Single
<b>ENVIRONMENT SPECIFICATIONS</b>				
Operating temperature	-5°C to +40°C			
<b>GENERAL INFORMATION</b>				
Dimension(LxWxH)	13.5x14.0x21.5 cm	13.5x14.0x24.5 cm	13.5x14.0x24.5 cm	13.5x14.0x27.0 cm
Weight	4.1 kg	4.9 kg	5.8 kg	7.0 kg
Warranty	18 months			
Remote	PTM-12, CR10			
Battery type	AGM, GEL or Customized			

MODELS	GPI10K	GPI12K	GPI15K	GPI20K
<b>INVERTER SPECIFICATIONS</b>				
3-phase rated power	10000 watts	12000 watts	15000 watts	20000 watts
3-phase surge power	30000 watts	36000 watts	45000 watts	60000 watts
Single phase power	3300 watts	4000 watts	5000 watts	6600 watts
AC output voltage	208 VAC +/- 10%; 380VAC +/- 5% (Or customize)			
AC output frequency	50/ 60Hz +/- 0.5%			
AC output waveform	Pure sine wave(THD<5%)			
Rated DC voltage	24/ 48 VDC	24/ 48 VDC	24/ 48 VDC	48 VDC
Bypass transfer(Optional)	Utility to inverter: 3 sec; Inverter to Utility ≤ 5ms			
Max. efficiency	86%	86%	86%	86%
Output phase	Three phase			
<b>ENVIRONMENT SPECIFICATIONS</b>				
Operating temperature	0°C to +40°C			
<b>GENERAL INFORMATION</b>				
Dimension(LxWxH)	66.0x45.6x21.7 cm	66.0x59.5x21.7 cm	66.0x59.5x21.7 cm	66.0x59.5x21.7 cm
Weight	18 kg	22 kg	25 kg	29 kg
Warranty	18 months			
Remote	CR10			
Battery type	AGM, GEL or Customized			

# TPI SERIES

## 30KW - 50KW THREE PHASE INVERTER

TPI inverter is designed with three phase balance technology to allow three phase inverter give single phase power. With the low frequency, TPI supports MAX 50KW three phase output with excellent stability and three phase balance.



# PES SERIES

## 500-2000W ENERGY STORAGE SYSTEM

PES series has the significant feature that it provides users with the monitor APP by smartphone. It displays the inverter, MPPT solar charger, battery working conditions. By manual setting battery type, PES system gives the perfect performance of battery charging and long service period for house appliances.



Mobilehouse Solar Off Grid Solar

### TPI SERIES MAIN FEATURES

#### THREE PHASE OUTPUT

TPI is designed for industry area to provide 380V three phase pure sine wave AC power the same as the utility AC or three phase generator creates.

#### SINGLE PHASE OUTPUT

With three phase balance technology, TPI also allow users load 230V single phase loads and power the loads without any phase unbalance.

#### BATTERY CHARGER(OPTIONAL)

The built-in battery charger unit can be paralleled to charge the battery bank with the nominal three phase AC input.

#### DISPLAY

TPI inverter unit is operated by the touch screen. It indicates inverter working conditions and system fault information.

### PES SERIES MAIN FEATURES

#### LiFePO4 BATTERY

LiFePO4 battery as the default configuration is installed into this unit to provide a longer service time to load this house appliances. With high stability, LiFePO4 also comes with a much safer performance.

#### MOBILE APP

Inverter output voltage, output watt and battery voltage can be indicated onto the APP. Additionally the solar charge record can be kept for review.

#### BACKUP SYSTEM

PES contains the inverter charger works with the backup power source. With built-in AC charger and transfer switch, it works as the backup U.P.S system to save people out from the blackout.



Mobilehouse Solar Off Grid Solar

- Battery voltage - 96~384V available
- PERFORM - Pure sine wave  
Three phase available  
Customize power available
- Topology - Low frequency

- Battery voltage - 12V/ 24V/ 48V available
- PERFORM - Pure sine wave  
Mobile APP
- Topology - Low frequency

MODELS	TPI30K	TPI40K	TPI50K
<b>INVERTER SPECIFICATIONS</b>			
3-phase rated power	30000 watts	40000 watts	50000 watts
3-phase surge power	90000 watts	120000 watts	150000 watts
Single phase power	10000 watts	13000 watts	16000 watts
AC output voltage	380VAC +/- 3%		
AC output frequency	50Hz +/- 0.5%		
AC output waveform	Pure sine wave (THD < 5%)		
Rated DC voltage	96/ 192/ 220/ 240/ 384 VDC		
Charge current	5 ADC each unit, MAX 30ADC		
Max. efficiency	85%	85%	85%
Output phase	Three phase		
<b>ENVIRONMENT SPECIFICATIONS</b>			
Operating temperature	-30°C to +50°C		
<b>GENERAL INFORMATION</b>			
Dimension(LxWxH)	100.0x60.0x150.0 cm		
Weight	240 Kg	270 Kg	350 Kg
Warranty	18 months		
Remote	/		
Battery type	AGM, GEL or Customized		

MODELS	PES800	PES1000	PES1500	PES2000
<b>SYSTEM SPECIFICATIONS</b>				
Inverter rated power	800 watts	12000 watts	15000 watts	20000 watts
Battery	12V/ 120Ah	36000 watts	45000 watts	60000 watts
Daily output	1.4 KWh	2.8 KWh	3.6 KWh	5.7 KWh
Solar charge current	30 ADC	30 ADC	30 ADC	30 ADC
PV open voltage	150 VDC	150 VDC	150 VDC	150 VDC
MAX solar input	250W	500W	750W	1000W
AC output waveform	24/ 48 VDC	24/ 48 VDC	24/ 48 VDC	48 VDC
AC output voltage	230VAC +/- 5%			
Max. efficiency	89%	89%	89%	89%
Output phase	Single	Single	Single	Single
<b>ENVIRONMENT SPECIFICATIONS</b>				
Operating temperature	0°C to +40°C			
<b>GENERAL INFORMATION</b>				
Dimension(LxWxH)	53.0x51.5x 71.0cm	53.0x51.5x 71.0cm	53.0x51.5x 81.5cm	53.0x51.5x 81.5cm
Weight	21 kg	40 kg	50 kg	62 kg
Warranty	18 months			
Remote	Bluetooth APP			



# W SERIES

## GEL & LiFePO4 BATTERY



### W-S GEL BATTERY

- EPS & UPS system
- Telecommunication system
- Off grid radio center
- Hybrid energy system
- Emergency lighting system



### W-L LiFePO4 BATTERY

- Energy storage system
- Prolonged blackout backup system
- Off grid power system
- Hybrid energy system
- Emergency lighting system

### W-S GEL BATTERY

SPEC	MODEL	CAPACITY	DIMENSION				WEIGHT(kg)	TERMINAL
			Length(mm)	Width(mm)	Height(mm)	Overall Height(mm)		
12V 100Ah	W12-100S	100Ah/10HR	327	171	231	236	31	B7
12V 120Ah	W12-120S	120Ah/10HR	327	171	231	236	34	B7
12V 150Ah	W12-150S	150Ah/10HR	440	160	240	245	49	B8
12V 200Ah	W12-200S	200Ah/10HR	480	238	210	240	62	B8
12V 250Ah	W12-250S	250Ah/10HR	480	238	210	240	70	B8
2V 300Ah	W2-300S	300Ah/10HR	150	170	330	365	20	C2
2V 400Ah	W2-400S	400Ah/10HR	241	171	330	365	29	C2
2V 500Ah	W2-500S	500Ah/10HR	241	171	330	365	32	C2
2V 1000Ah	W2-1000S	1000Ah/10HR	471	171	330	365	64	C2
2V 1500Ah	W2-1500S	1500Ah/10HR	401	347	342	378	93	C2
2V 2000Ah	W2-2000S	2000Ah/10HR	490	349	342	383	123	C2

### W-L LiFePO4 BATTERY

SPEC	MODEL	CAPACITY	DIMENSION				WEIGHT(kg)	TERMINAL
			Length(mm)	Width(mm)	Height(mm)	Overall Height(mm)		
12V 50Ah	W12-50L	50Ah/10HR	240	200	180	190	14	CP
12V 100Ah	W12-100L	100Ah/10HR	300	220	180	190	26	CP
12V 200Ah	W12-200L	200Ah/10HR	380	355	260	270	33	CP
12V 400Ah	W12-400L	400Ah/10HR	380	355	350	360	70	CP
12V 500Ah	W12-500L	500Ah/10HR	420	355	350	360	80	CP
24V 60Ah	W24-60L	60Ah/10HR	280	260	180	190	19	CP
24V 80Ah	W24-80L	80Ah/10HR	300	260	180	190	23	CP
24V 100Ah	W24-100L	100Ah/10HR	360	300	190	200	30	CP
24V 200Ah	W24-200L	200Ah/10HR	380	355	350	360	70	CP
24V 400Ah	W24-400L	400Ah/10HR	640	355	350	360	103	CP
48V 20Ah	W48-20L	20Ah/10HR	230	175	175	185	10	CP
48V 50Ah	W48-50L	50Ah/10HR	380	355	180	190	28	CP
48V 60Ah	W48-60L	60Ah/10HR	420	355	180	190	40	CP
48V 100Ah	W48-100L	100Ah/10HR	380	355	350	360	60	CP
48V 200Ah	W48-200L	200Ah/10HR	700	355	350	360	103	CP

# ACCESSORIES

## REMOTE



### REMOTE - CR10

#### WORK WITH

- CPT series inverter charger
- LPT series inverter charger



### REMOTE - PTM-12

#### WORK WITH

- CPT series inverter charger
- CPS series inverter charger



### REMOTE & MONITOR SYSTEM - CR80;

#### WORK WITH

- CPT series inverter charger
- CPS series inverter charger



Cool life Super power

**COSUPER**  
Cool life Super power

COSUPER SUZHOU ENERGY TECHNOLOGY CO.,LTD  
NO.99 Gangtian Road, Suzhou, Jiangsu Province, 215126,  
China

Phone: 0086 512 68638910  
Fax: 0086 512 68638916

Email: [info@cosuper.com](mailto:info@cosuper.com)  
Web: [www.cosuper.com](http://www.cosuper.com)

©2018 COSUPER all rights  
reserved