Thlinkpower

SOLAR INVERTER

EXPERIENCE UNMATCHED POWER STABILITY

High Efficiency | WIFI / GPRS | MPPT | Waterproof | RGB Lights



Email:sales12@thlinkpower.com Whatsapp/Phone:+86 133 3667 2351

TP-GTI Serise

Single phase hybrid solar inverter

RGB LIGHTS | 160A MAX PV CHARGIN | DUAL SMART & MAIN LOAD | UPGRADED MPPT | WORKS WITH AND WITHOUT BATTERY | APP | WIFI&GPRS | Dual PV



Features

- Big LCD display;
- Compact and easy to install;
- Power export limit ;
- WIFI/GPRS/Lan communication optional;
- Comply with international quality standards tested by TUV,BV,Dekra etc ;

Model	TP-S1000TL	TP-S1500TL	TP-S2200TL	TP-S3000TL	TP-S3600TL	TP-S4400TL
DC Side/Input Parameters						
Max. DC Power (W)	1500W	2250W	3300W	4500W	5400W	6600W
Max. DC voltage (W)	450	450	500	500	500	500
Min system start/Shut down voltage(Vdc)	65/70	75/100	75/100	75/100	75/100	75/100
MPPT voltage range(Vdc)	70~450	100~450	100~450	100~450	100~450	100~450
Max input current/per string	13A	13A	13A	13A	13A	13A
Number of MPP trackers	1	1	1	1	1	2
AC Side/ Output Parameters						
Nominal output power (W)	1000	1500	2200	3000	3600	4000
Maximum output power (W)	1100	1600	2420	3300	3960	4400
Nominal output voltage/range (V)	208,220,230,240/180~270					
AC grid frequency/range (Hz)	50Hz,60Hz(auto-selection) /44Hz-55Hz;54Hz-65Hz					
Maximum output current (A)	6	8	12	16	16	21
AC connection (with PE)	single phase					
Max. Conversion Efficiency	97.30%	97.30%	97.40%	97.50%	97.80%	97.80%
Dimension, D x W x H (mm)	370/277/115	370/277/115	370/277/115	370/277/115	370/277/115	434/340/115
Weight(kg)	7	7	7	7	7	8

Model	TP-S5000TL	TP-S6000TL	TP-S6000TL(Pro)	TP-S8000TL	TP-S10000TL
DC Side/Input Parameters					
Max. DC Power (W)	7500W	7500W	9000W	12000W	15000W
Max. DC voltage (W)	500	500	500	500	500
Min system start/Shut down voltage(Vdc)	75/100	75/100	75/100	75/100	75/100
MPPT voltage range(Vdc)	100~450	100~450	100~500	100~500	100~500
Max input current/per string	13A/13A	13A/13A	28A/18A	28A/18A	28A/18A
Number of MPP trackers	2	2	2	2	2
AC Side/ Output Parameters					
Nominal output power (W)	5000	6000	6000	8000	10000
Maximum output power (W)	5500	6600	6600	8800	10500
Nominal output voltage/range (V)	208,220,230,240/180~270		208,220,230,240/140~310		
AC grid frequency/range (Hz)	50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz				
Maximum output current (A)	23	21	28	38.5	45.6
AC connection (with PE)	Single phase				
Max. Conversion Efficiency	97.50%	97.60%	98.10%	98.10%	98.10%
Dimension, D x W x H (mm)	434/340/115	434/340/115	468/374/127	468/374/127	468/374/127
Weight(kg)	8	8	11	11	11

Thlinkpower New Energy Technology Co., Ltd

Our products serving more than 300,000 households worldwide.

TrustPass | Gold Supplier

Mobile: +86 13336672351 Email: karron@thlinkpower.com WhatsApp: +86 13336672351 Wechat: +86 13336672351

Three phase on-grid solar inverter

TP-TL Serise

Thlinkpower

RGB LIGHTS | 120A MAX PV CHARGING | PURE SINE WAVE | WORKS WITH AND WITHOUT BATTERY | UPGRADED MPPT | LI-ION | BUILT IN ANTI DUST KIT | APP | WIFI&GPRS | LCD LCD Display



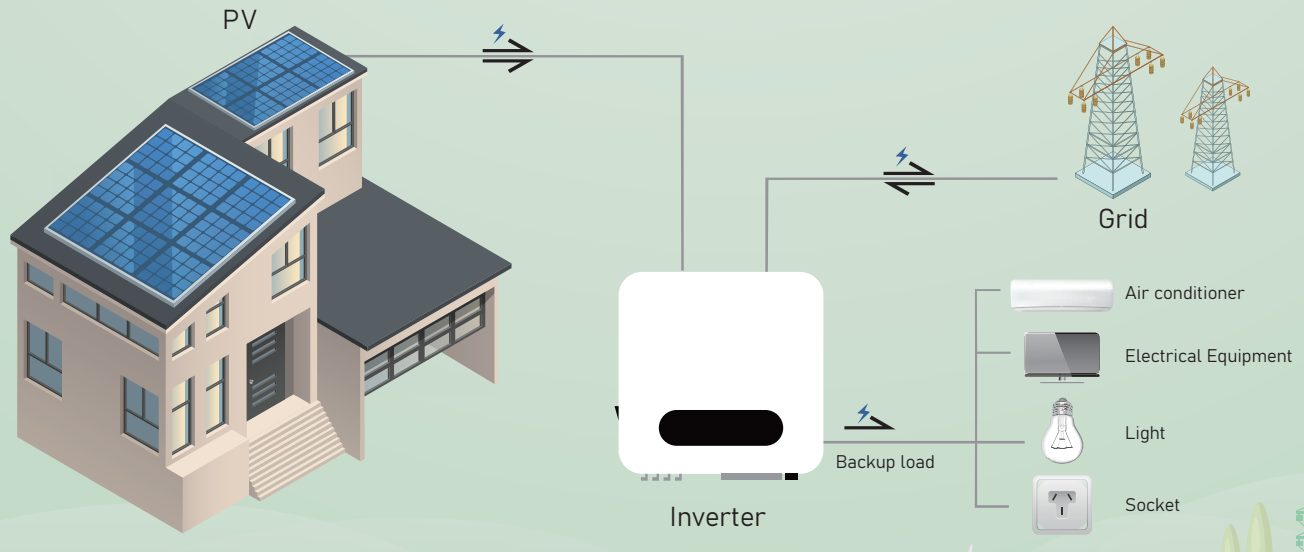
Features

- Big LCD display;
- IP65 ingress protection;
- Power export limit ;
- WIFI/GPRS/Lan communication optional;
- Comply with international quality standards tested by TUV,BV,Dekra etc ;

Model	TP-4KTL	TP-5KTL	TP-6KTL	TP-8KTL	TP-10KTL	TP-12KTL	TP-15KTL
Input(DC)							
Max. DC Power (W)	5500W	6500W	7500W	9500W	11500W	18000W	22500W
Max. DC voltage (W)				1000Vd.c.			
Min working voltage (Vdc)				160Vd.c.			
MPPT voltage range(Vdc)				160-850Vd.c.			
Max input current/per string				18A/18A			
Number of MPP trackers				25A/25A			
Output (AC)							
AC nominal power	4000W	5000W	6000W	8000W	10000W	12000W	15000W
Max AC apparent power	5000VA	6000VA	7000VA	8800VA	11000VA	13200VA	16500VA
Max output current	8A	10A	12A	15A	17A	20A	23A
Nominal AC output				50/60Hz 400Vac			
AC output range				45/55 Hz;280~490Vac(Adj)			
Max. Conversion Efficiency	98.00%	98.20%	98.20%	98.4%	98.4%	98.4%	98.4%
Dimension, D x W x H (mm)	480/476/157	480/476/157	480/476/157	480/476/157	480/476/157	480/476/157	480/476/157
Weight(kg)	16	16	16	16	16	16	16

On Grid Work Principle

AC power output



Thlinkpower New Energy Technology Co., Ltd

Our products serving more than 300,000 households worldwide.

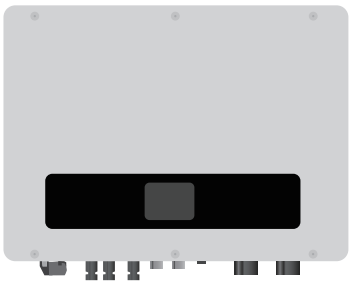
TrustPass | Gold Supplier

Mobile: +86 13336672351 | Email: karron@thlinkpower.com | WhatsApp: +86 13336672351 | Wechat: +86 13336672351

TP-ESS Serise

Three phase hybrid solar inverter

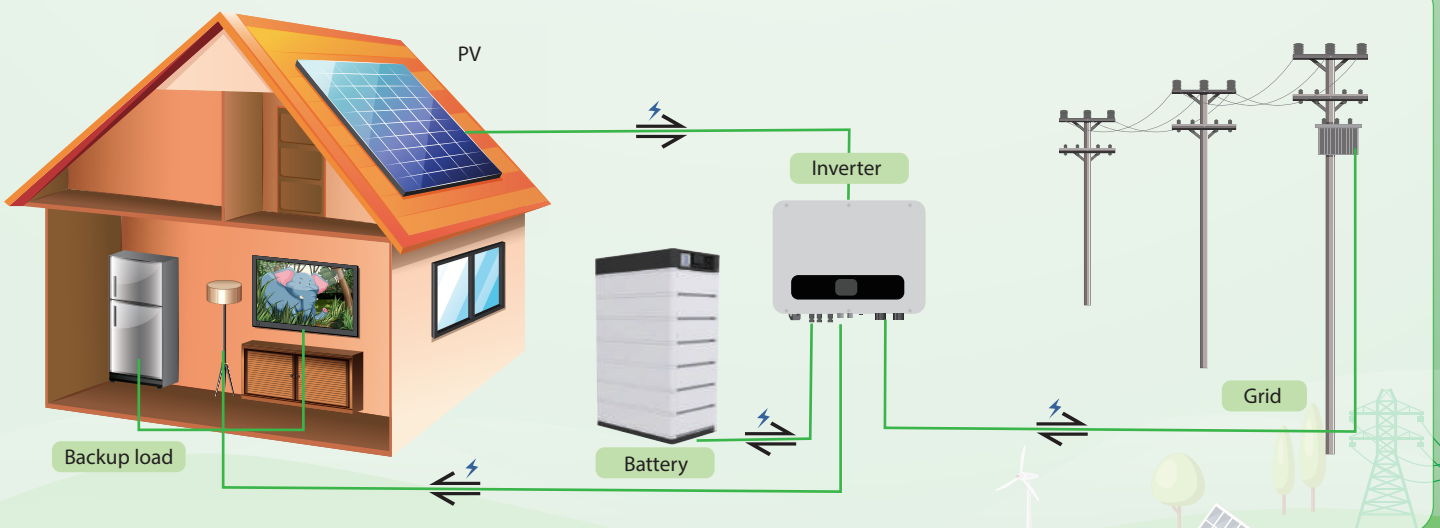
RGB LIGHTS | 120A MAX PV CHARGING | PURE SINE WAVE | WORKS WITH AND WITHOUT BATTERY | UPGRADED MPPT | LI-ION | BUILT IN ANTI DUST KIT | APP | WIFI&GPRS | LCD LCD Display



Features

- Big LCD display;
- Three phase unbalanced output;
- Power export limit ;
- WIFI/GPRS/Lan communication optional;
- Anti-back ow control accuracy<20w;
- Working in 45 degrees high temperature without power degradation;

Model	TP-EPH4KTL	TP-EPH5KTL	TP-EPH6KTL	TP-EPH8KTL	TP-EPH10KTL	TP-EPH12KTL
Input(DC)						
Max. DC Power (W)	6000W	7500W	9000W	12000W	15000W	15000W
Max. DC voltage (W)	1000Vdc					
MPPT voltage range(Vdc)	200-850Vdc					
Max input current/per string	13A/13A					
Number of MPP trackers	2					
Battery Input						
Battery Type	Li-Ion					
Battery voltage range	130-700V					
Maximum charge/discharge current	25/25A					
Charge strategy for Li-ion Battery	Self-adaptation to BMS					
Output (AC)						
AC nominal power	4000W	5000W	6000W	8000W	10000W	12000W
Max AC apparent power	5000VA	5500VA	7000VA	8800VA	11000VA	13200VA
Max output current	8A	10A	12A	15A	17A	20A
Nominal AC output	50/60Hz; 400/350					
AC output range	45/55Hz;280~490Vac(Adj)					
Max. Conversion Efficiency	98.00%	98.00%	98.20%	98.2%	98.2%	98.2%
Dimension, D x W x H (mm)	516*427*183.5	516*427*183.5	516*427*183.5	516*427*183.5	516*427*183.5	516*427*183.5
Weight(kg)	26	26	26	26	26	26



Thlinkpower New Energy Technology Co., Ltd

Our products serving more than 300,000 households worldwide.

TrustPass Gold Supplier

Mobile: +86 13336672351 Email: karron@thlinkpower.com WhatsApp: +86 13336672351 Wechat: +86 13336672351

ON&OFF GRID HYBRID SOLAR INVERTER

TP-HFP Serise

Thlinkpower

Pure sine wave | WIFI | Two-way energy storage design | Configurable working mode | Support working without battery | RS485

Features

- Adopting high-frequency design, high power density, small size, and high overall efficiency;
- Bidirectional energy storage design, which can achieve bidirectional flow control of electrical energy, and both photovoltaic and mains electricity can be charged to the battery;
- Ultra wide MPPT range, with a minimum of 40Vdc(24V models)/ 80Vdc (48V models);
- Capable of setting working modes (grid connected mode, off grid mode hybrid mode);
- Equipped with grid connected current setting function;
- Equipped with output priority setting function;
- Equipped with charging priority setting function;
- Equipped with lithium battery BMS communication function;
- Support battery-ess operation mode.



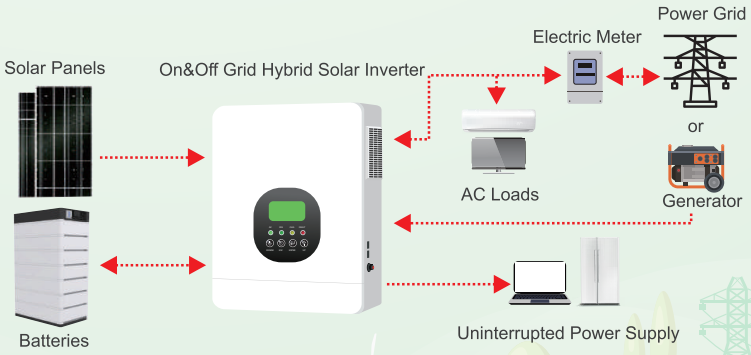
Model	TP-HFP-33224	TP-HFP-43224	TP-HFP-63248	TP-HFP-83248	TP-HFP-103248	TP-HFP-123248
Rated Power	50000W		70000W	4500W*2	6000W*2	6000W*2
MPPT Tracking Voltage Range	40Vdc-Vdc		80Vdc~450Vdc			
Rated Voltage	360Vdc					
Max PV Input Voltage voc (at the lowest temperature)	500Vdc					
Max PV Input Current	18A		27A	18A*2	22A*2	27A*2
MPPT Tracking Channels(input routed)	1 Routed			2 Routed		
Rated Output Power	3300W	4300W	6300W	8300W	10.3W	12.3W
Rated Output Voltage	220v/230v/240v					
MPPT Tracking Efficiency	99.9%					
Dimension, D x W x H (mm)	325*275*102	365*297*102	390*320*112	515*365*117	535*462*117	630*540*130
N.W./G.W.(kg)	6/6.5	7/7.5	8.5/9.5	13/15	15.5/17.5	23.5/25.5

Product Display

Household | Industrial and commercial energy storage | Airport/high-speed rail station | Thermal power station/nuclear power station | Agricultural Irrigation | Farm use



System Application Diagram



Thlinkpower New Energy Technology Co., Ltd

Our products serving more than 300,000 households worldwide.

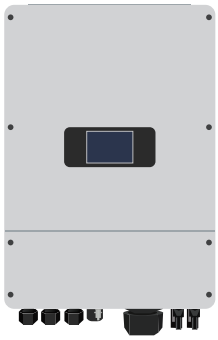
TrustPass | Gold Supplier

Mobile: +86 13336672351 | Email: karron@thlinkpower.com | WhatsApp: +86 13336672351 | Wechat: +86 13336672351

TP-REVO Serise

Hybrid on&off grid energy storage solar inverter

RGB LIGHTS | 120A MAX PV CHARGING | PURE SINE WAVE | WORKS WITH AND WITHOUT BATTERY | UPGRADED MPPT | LI-ION | BUILT IN ANTI DUST KIT | APP | WIFI&GPRS | LCD Display



Features

- Big LCD display;
- Compact and easy to install;
- Power export limit ;
- WIFI/GPRS/Lan communication optional;
- Comply with international quality standards tested by TUV,BV,Dekra etc ;

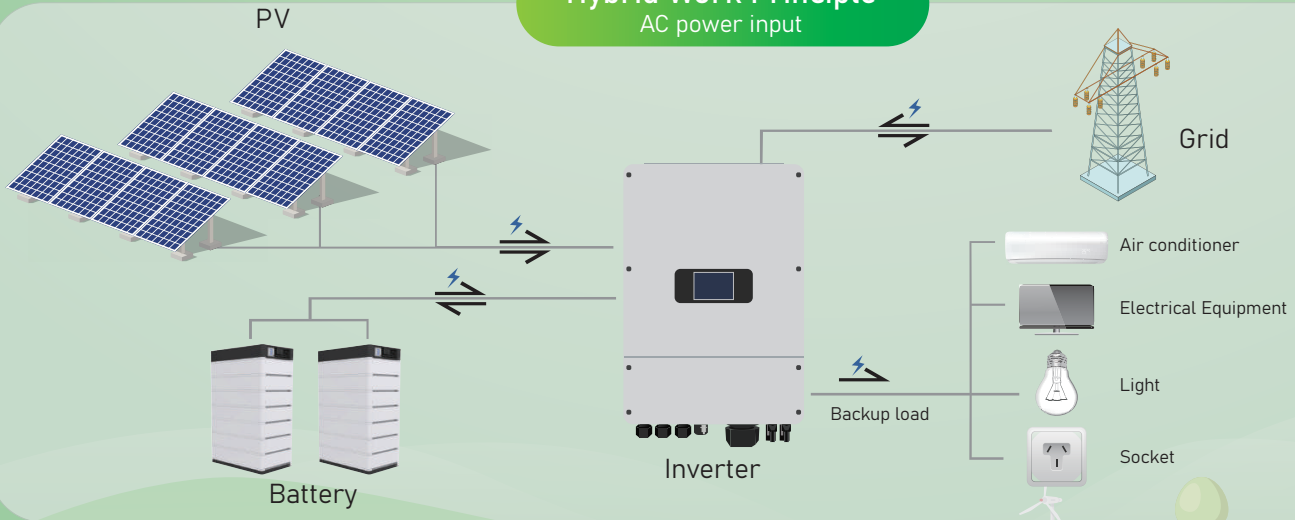


①	WIFI port	⑩	Parallel port
②	Battery port	⑪	Parallel port
③	Switch	⑫	Load output
④	PV port1	⑬	AC input
⑤	PV port2	⑭	communication port
⑥	PV switch(optional)	⑮	communication port
⑦	Ground	⑯	communication port
⑧	Breather valve		
⑨	Fan		

Model	TP-REVO HES 6kw	TP-REVO HES 8kw
DC Side/Input Parameters		
Max. DC Power (W)	7500W	10000W
Max. DC voltage (W)	550	550
MPPT voltage range(V)	90~450	90~450
MPPT number/Max.input strings number	1/2	2/2
Max.short circuit current(A)	30	18+18
Battery		
Battery voltage range (V)	40~58	40~58
Max.charging voltage（V）	58	58
Max.charge/discharge current（A）	100/140	120/190
Battery type	lithium /Lead-acid	lithium /Lead-acid
AC output		
Grid voltage/range（V）	230/176-270	230/176-270
Frequency（Hz）	50/60	50/60
AC output topology	L+N+PE	L+N+PE
Efficiency (Peak)	94%	94%
Dimension, D x W x H (mm)	360*195*660	360*195*660
Weight(kg)	22.5/32	22.5/32

Hybrid Work Principle

AC power input



Thlinkpower New Energy Technology Co., Ltd

Our products serving more than 300,000 households worldwide.

TrustPass | Gold Supplier

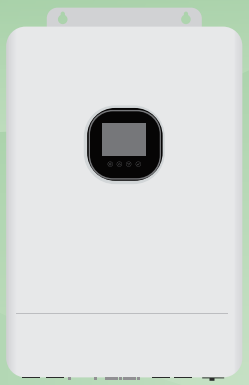
Mobile: +86 13336672351 Email: karron@thlinkpower.com WhatsApp: +86 13336672351 Wechat: +86 13336672351

Split phase hybrid/off-grid solar inverter

TP-SPI Serise

Thlinkpower

RGB LIGHTS | 120A MAX PV CHARGING | PURE SINE WAVE | WORKS WITH AND WITHOUT BATTERY | UPGRADED MPPT | LI-ION | BUILT IN ANTI DUST KIT | APP | WIFI&GPRS | LCD LCD Display



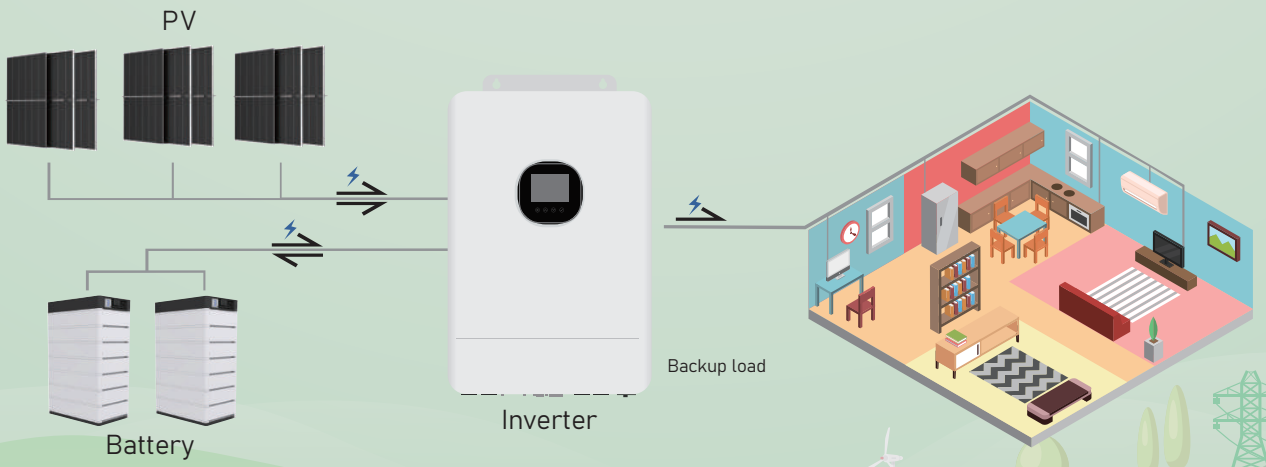
Features

- Advanced MPPT technology with up to 99.9% efficiency;
- Up to 22+22A PV input current
- Comprehensive security from hardware to software;
- Multiple safety approvals
- Up to 200A charging current
- Support Li-ion battery BMS communication ;
- Outputs high quality pure sine wave AC power
- Up to 6 units in parallel connection;
- Industrial design with a modern aesthetic look
- Easy to install and simple to use;
- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley

Model	TP-SPI-10K-UP	TP-SPI-8K-UP	Can Be Set
Inverter Output			
Rated Output Power	10,000w	8,000w	
Max. Peak Power	20,000w	16,000w	
Rated Output Voltage			✓
Rated AC Frequency	50/60Hz	50/60Hz	✓
Output Mode	Off-grid (default) / Hybrid	Off-grid (default) / Hybrid	✓
Battery			
Battery Type	Li-ion / Lead-acid / User-defined	Li-ion / Lead-acid / User-defined	✓
Rated Battery Voltage	48Vdc	48Vdc	
Battery Voltage Range	40～60Vdc	40～60Vdc	✓
Max. MPPT Charging Current	200A	180A	✓
PV Input			
Num. of MPPT Trackers	2	2	
Max. PV Array Power	5,500W+5,500W	5,500W+5,500W	
Max. Input Current	22A+22A	22A+22A	
Max. Open Circuit Voltage	500Vdc+500Vdc	500Vdc+500Vdc	
MPPT voltage range(Vdc)	125～425Vdc	125～425Vdc	
MPPT Tracking Efficiency	99.9%	99.9%	
Dimension, D x W x H (mm)	620*445*130mm	620*445*130mm	
Weight(kg)	27	27	

Off Grid Work Principle

No AC power input



Thlinkpower New Energy Technology Co., Ltd

Our products serving more than 300,000 households worldwide.

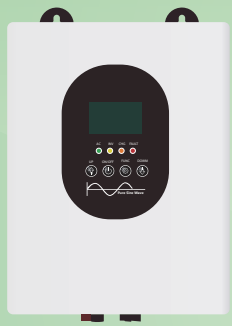
TrustPass | Gold Supplier

Mobile: +86 13336672351 Email: karron@thlinkpower.com WhatsApp: +86 13336672351 Wechat: +86 13336672351

TP-LF Serise

Low erequency inverter / Hybrid inverter / 1-phase

The working frequency of a power frequency transformer generally refers to a power frequency of 50Hz or 60Hz, with slow signal changes and smooth waveforms.
The advantages are relatively simple structure, stable and reliable operation, strong overload capacity and impact resistance

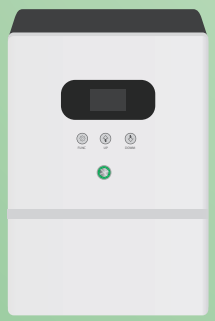


TP-LF-1 Serise

Low erequency inverter / Hybrid inverter / Phase :1-phase

Pure sine wave | MPPT | WiFi | Unattended Function | Configurable Battery | RS485

Model	TP-10212/24
Rated Power	1000W
Phase Type	Single phase L-N
Standard Battery Voltage	12/24VDC
Rated Input Voltage	220VAVC/230VAC/240VAC
Rated Current	30A
PV Array Max Power	12V(240W)/24V(840W)
Conversion Efficiency	>85%
Dimension, D x W x H (mm)	333*253*126
N.W./G.W.(kg)	9/10



TP-LF Serise

Low erequency inverter / Hybrid inverter / Phase :1-phase

Pure sine wave | MPPT | WiFi | Dual output voltage | Configurable Battery | RS232/RS485

Model	TP-15212/24/48	TP-20212/24/48	TP-30224/48	TP-40224/48	TP-50248	TP-60248	TP-80248	TP-10348	TP-12348
Rated Power	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Phase Type	Single phase L-N;Split phase can be customized L1-L2,L1-N,L2-N								
Standard Battery Voltage	12/24/48VDC		24/48VDC		48VDC				
Rated Input Voltage	110VAC1120VAC1220VAC 1230VAC1240VAC								
Rated Current	30-60A			60-100A			100A		
PV Array Max Power	12V(420W)/24V(840W)/48V(1680W)			12V(840W)/24V(1680W)/48V(3360W)			5600W		
Output Wave /Conversion Efficiency	Pure Sine Wave/>85%								
Dimension, D x W x H (mm)	470*300*148			530*335*158			684*430*250		
N.W./G.W.(kg)	13.5/15	18/19.5	20/21.5	22/24	24/26	26/28	45/52	55/62	58/65

Thlinkpower New Energy Technology Co., Ltd

Our products serving more than 300,000 households worldwide.

TrustPass | Gold Supplier

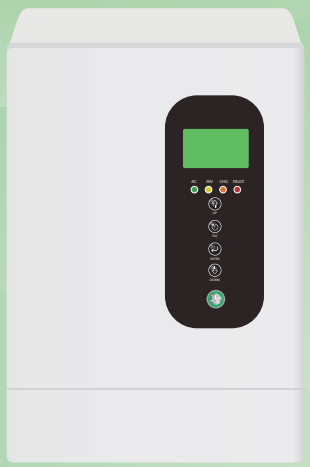
Mobile: +86 13336672351 Email: karron@thlinkpower.com WhatsApp: +86 13336672351 Wechat: +86 13336672351

Single Phase On&off Grid Hybrid Solar Inverter 5-12kw

TP-HF Serise

Thlinkpower

RGB LIGHTS | 120A MAX PV CHARGING | PURE SINE WAVE | WORKS WITH AND WITHOUT BATTERY | UPGRADED MPPT | LI-ION | BUILT IN ANTI DUST KIT | APP | WIFI&GPRS | LCD LCD Display



Features:

- Adopting high-frequency design, high power density, small size, and high overall efficiency;
- Bidirectional energy storage design, which can achieve bidirectional flow control of electrical energy, and both photovoltaic and mains electricity can be charged to the battery;
- Ultra wide MPPT range, as low as 80Vdc;
- The working mode can be set(on-grid mode,off-grid mode,hybrid mode);
- Equipped with output priority setting function;
- Equipped with charging priority setting function;
- Equipped with lithium battery BMS communication function;
- Support the use of smart meters to prevent backflow when running on the grid;
- Support battery-less operation mode.

Model	TP-HF-50248	TP-HF-60248	TP-HF-80248	TP-HF-10348	TP-HF-12348
PV Input					
Max PV input power	6000W	6000W	4500W*2	6000W*2	6000W*2
MPPT Tracking Voltage Range	80Vdc-450Vdc				
Rated Voltage	360Vdc				
Max PV Input Voltage voc(at the lowest temperature)	500Vdc				
Max PV Input Current	27A	27A	18A*2	27A*2	27A*2
MPPT Tracking Number	1	1	2	2	2
Battery&Charging					
Battery Type	5000	5000	8000	10KW	12KW
Rated Battery Voltage	48VDC				
Battery voltage Range	42-60Vdc(default value)				
Max PV Charging Current	120A				
Max AC Charging Current	80A				
Max Charging Current	120A				
On-Grid Operation(On-Grid Output(AC))					
Rated Output Power	5000W	6000W	8000W	10KW	12KW
Rated Output Voltage	220VAC/230VAC/240VAC				
Output Voltage Range	187VAC~264VAC				
Rated Output Frequency	50Hz/60Hz				
Off-Grid Operation(AC Input)					
Rated Input voltage	220V /230V/240V				
Mains input voltage range	165VAC-280VAC/				
Rated Input Frequency	120VAC~280VAC(Can be set)				
Off-Grid Operation(AC Output)	50Hz/60Hz				
Rated Output Power	5000W	6000W	8000W	10KW	12KW
Rated Output Voltage	220V /230V/240V				
Rated Input Frequency	50Hz/60Hz				
Hybrid Operation (Complementary Mode(AC Input))					
Rated Input voltage	220V /230V/240V				
Mains input voltage range	187VAC~264VAC				
Rated Input Frequency	50Hz/60Hz				
Hybrid Operation (Complementary Mode(AC Output))					
Rated Output Power	5000W	6000W	8000W	10KW	12KW
Rated Voltage Rated	220VAC/230VAC/240VAC				
Output Current	22.7A/21.7A/20.8A	27.3A/26.1A/25A	36.4A/34.8A/33.3A	45.5A/43.5A/41.7A	54.5A/52.2A/50A
MPPT Tracking Efficiency	≥99.9				
Dimension, D x W x H (mm)	430*325*112.5mm	430*325*112.5mm	515*365*117mm	630*540*130mm	630*540*130mm
Weight(kg)	10.5/12	10.5/12	13/15	23/25	23.5/25.5

Thlinkpower New Energy Technology Co., Ltd

Our products serving more than 300,000 households worldwide.

TrustPass | Gold Supplier

Mobile: +86 13336672351 Email: karron@thlinkpower.com WhatsApp: +86 13336672351 Wechat: +86 13336672351