

TIANNENG INTERNATIONAL CO., LIMITED





export@tiannenggroup.com

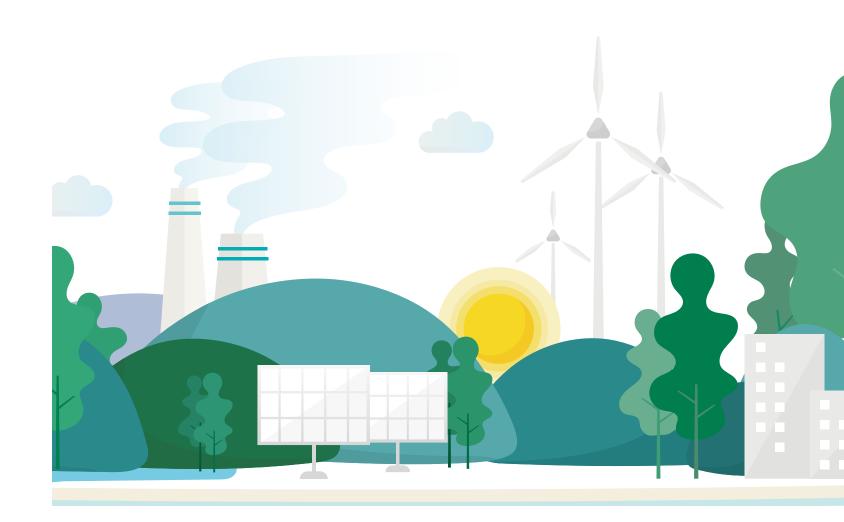
www.tiannengglobal.com

Block C.6/F shun shing plaza, 50 stanley street, central, Hong Kong

in Tianneng Group Official

▼ Tianneng Group Official (@GroupTianneng)

Tianneng Group



GREEN ENERGY FOR A BETTER LIFE

TIANNENG BATTERY ENERGY STORAGE SOLUTION





Global Leading Green Energy Solution Provider



Company Profile

Tianneng is a Global Leading New Energy
Company committed to providing
environmentally-friendly battery solutions for
various industries worldwide since 1986.

Tianneng now has more than 30,000 employees and more than 130 subsidiaries around the world. There are 17 production bases in 7 provinces in China and 1 oversea manufacturing center in Vietnam is under construction. Tianneng set up 7 R&D centers to constantly develop technology and keep innovation in the area of lead acid batteries, lithium batteries, hydrogen Fuel Cells, and Sodium-ion batteries.

ö Honor:

- Top 1 in China Lead Acid Battery
- Top 10 in the Chinese battery industry
- Top 500 Chinese enterprises
- Global top 500 new energy enterprises

Main Business areas:

- Battery and system Solutions (Motive, SLI, Energy Storage)
- Battery Recycling Solutions (Lead Acid battery recycling, Lithium-ion battery recycling)

2019

Milestone

lead-acid battery **TN & SAFT Joint Venture** Tianneng and SAFT entered a strategic 2014 cooperation by signing the contract with the presence of Chinese and French presidents National Honors and then established a joint venture. 2009 for Pb-C Battery TN Circular Economy Base Establised 2004 1986 Lithium Battery Developed **Founded** 2021 Tianneng is located in the southern part of the Yangtze River Delta along the southeast coast of China. **Listed on SSE** 2018 Tianneng Battery was listed on the STAR Market of Shanghai Stock Exchange (Stock Name: Tianneng PESS for Gambia Shares; Stock Code: 688819). President 2010 Tianneng Group became the first company in the industry to own two **National Honors** listed companies (A shares + H for 18650 Series shares). Tianeng New Energy 2007 (Huzhou) Co., Ltd. was established **Listed on Hongkong** 1998 Tianneng successfully listed on the main board of Hong Kong as "China's first power battery stock" **VRLA Battery** (Stock Name:Tianneng Power; Stock Developed for E-bike

Code: 00819. HK).

2022

Build and launched the world's first whole industry chain intelligent factory for lead-acid battery

Global Footprint

• 100+ Countries Footprint.

• 11+ Oversea Branches.

 Tianneng has a global footprint around the world, our business covering more than 100 countries and regions.

Market Performance

2022 Global Delivery: **110Gwh+**

Headquarters

HQ: Huzhou, Zhejiang, China **INT HQ:** Hongkong, China

Branch

APAC: Vietnam, Thailand, Indonesia, Philippines,

Australia & New Zealand

India: India

MENA (Middle East and North Africa): South Africa, Turkey

Americas: America, Argentina, Colombia

Europe: Netherlands, Germany

Headquarters

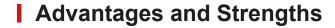
Office

Office & factory



Technology And Innovation

Tianneng has the first domestic motive battery automatic continuous casting, rolling, continuous punching, and continuous coating production demonstration line, the domestic first small-density power battery intelligent automatic assembly demonstration production line and other digital production lines and a complete digital industry. The supply chain has the leading advantages of high equipment utilization, relatively stable production capacity, high product quality, flexible operation, and great product adaptability.





Material Innovation

Research and innovation and on NCM/LFP/LMFP material, which guarantee the performance and safety from start point.



Manufacturing Development

Fully-automation manufacturing system maintain high-level of consistency on cells and packs.



SELF-DEVELOPMENT BMS

Providing intelligent and customized management through accurate battery dynamic monitoring technology.







Premium Safety And Performance

Intelligent Protection



Over-discharge Protection



Over-charge Protection



Cell-balance Mechanism



Short-circuit Prevention



Over-current Protection



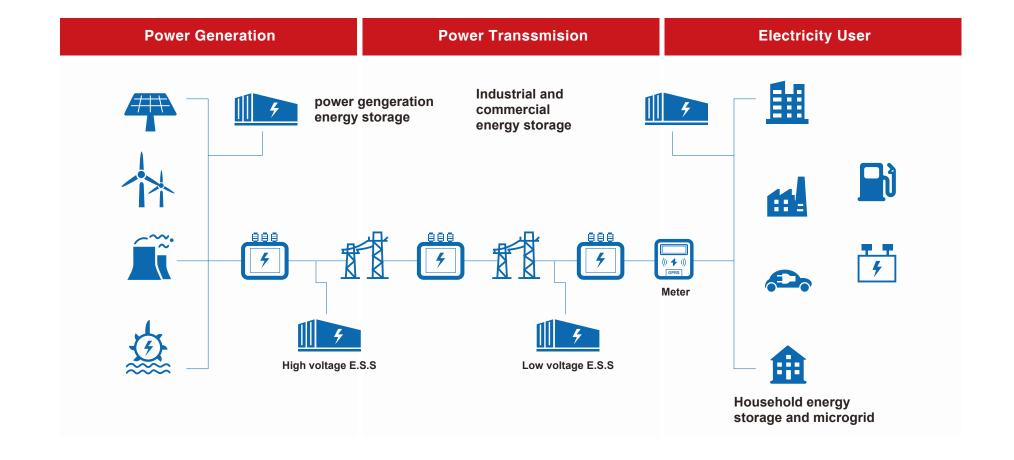
Instant-impact Protection



Cut-off Monitoring



GPS Function Available



UN38.3



IEC

CB CE BIS













Battery Energy system

Tianeng provides solutions for energy storage, reserve and other industrial scenarios, with excellent product cycle performance, stability and reliability, to provide customers with solid green energy guarantee.

Product Series

Household energy system

Commercial and Industrial ESS

Container C&I ESS

HESS

Household energy storage system

| Product Application



Saving Electricity Bill

Charging during off-peak hours and discharge during peak hours, save the bill from avoiding peak hours.



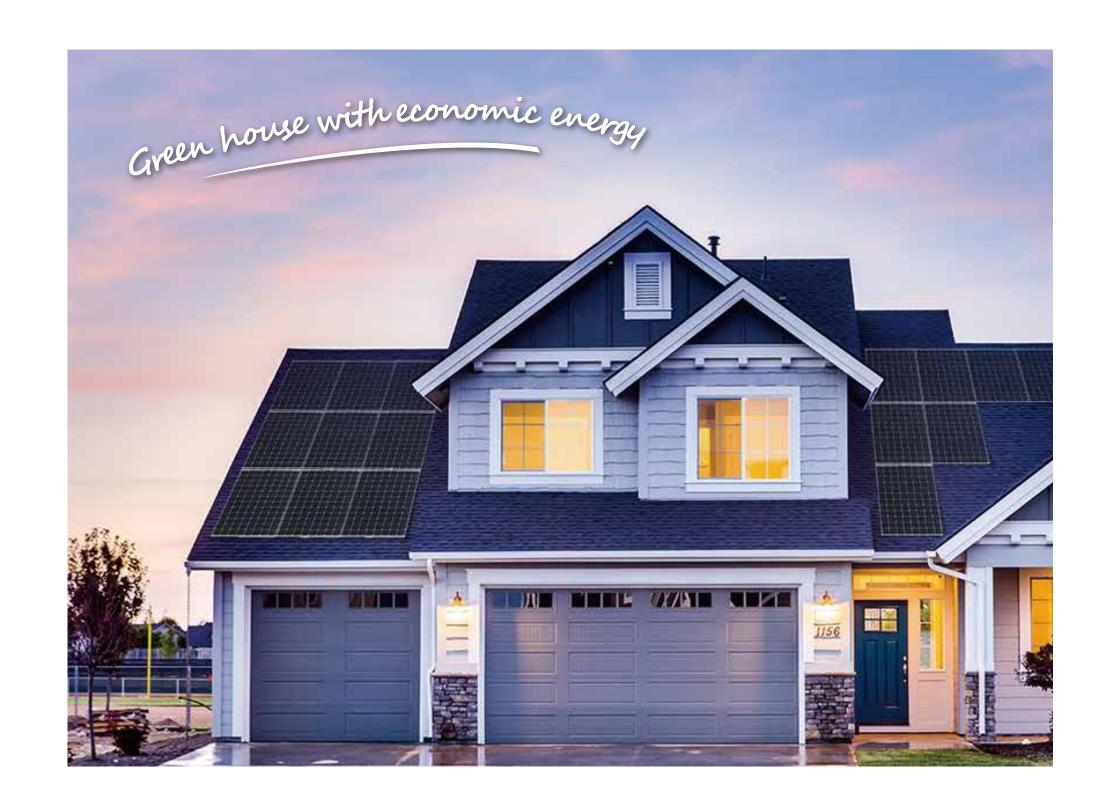
Self-consumption

Balance the solar generation with evening demand, realize your own grid independence.



Back-up Power

Guarantee your electricity is available when encounter with black-out or emergency.



Stackable HESS Products

Low voltage model

Stackable LiFePO4 Battery for Energy Storage System

- 51.2V Low voltage LiFePO4 battery module, Single module is 51.2V 100Ah 5.12kWh.
- 1 to MAX.6 layers recommended.
- Compatible with the 48V single or three phase off grid, hybrid on/off grid solar inverter.
- Capable of High-Powered Emergency-Backup and Off-Grid Function.
- Self-Consumption Optimization for Residential and Commercial Applications.
- Modular Design Simplifies Transport and Installation



PRODUCT FEATURE

- >6000 Times Super Cycle Life
- IP65 waterproof design
- Premium safety and Long-term reliability
- Money saving & Flexible compatibility
- Low self-consumption maximization
- Affordable and simple installation

CERTIFICATES

IIN383













APPLICATION

- Household Energy Storage System
- Household Photovoltaic System
- Outdoor portable power station
- Removable power supply system

LOW VOLTAGE MODEL

	Model	TELIF-HESS 48100 GL	TELIF-HESS 4850 GL
	Single Module	51.2V 100Ah	51.2V 50Ah
	Battery Energy	5120 Wh	2560 Wh
Battery Module	Nominal Charge/ Discharge Current	50A	25A
	Max Charge/ Discharge Current	100A	50A
	Working Voltage	43.2~56	5.16Vdc
	Dimension (WxDxH)	600*210*300mm	600*210*180mm
	Weight	48kg	27kg
	Scalability	1-6 batteries in parallel	1-10 batteries in parallel
	Installation	Stad	cked
General Specification	Charge Temperature	0°C~	.55°C
	Discharge Temperature	-20°C	~60°C
	IP Rating	IP	65
	Cell Technology	LiFe	PO4
	Cycle Life	6000 @ 80% D	OD, 25°C/0.5C
Communication	Communication	RS485	、 CAN
Communication	Display	SOC status indica	ator, LED indicator

Stackable HESS Products

High voltage HESS model

Stackable LiFePO4 Battery for Energy Storage System

- High-voltage LiFePO4 battery solution, Single module is 51.2V 50Ah 2.56kWh.
- 3 to 10 layers recommended.
- Inverter you need to choose 380V 3phase input and output, common is 8-15KW inverter.
- Applicable on grid or hybrid on and off-Grid solar energy storage system.
- Self-Consumption Optimization for Residential and Commercial Applications.



PRODUCT FEATURE

- >6000 Times Super Cycle Life
- IP65 waterproof design
- Premium safety and Long-term reliability
- Money saving & Flexible compatibility
- Low self-consumption maximization
- Affordable and simple installation

CERTIFICATES

UN38.3

IEC (E

RoHS



APPLICATION

- Household Energy Storage System
- Household Photovoltaic System
- Outdoor portable power station
- Removable power supply system

HIGH VOLTAGE MODEL

	Model	TELiF-HESS 4850 GH	
	Single Module	51.2V 50Ah	
	Battery Energy	2560 Wh	
Rattory Modulo	Nominal Charge/Discharge Current	25A	
Battery Module	Max Charge/Discharge Current	50A	
	Dimension(WxDxH)	600*210*160mm	
	Weight	26.5kg	
High voltage Day	Dimension(WxDxH)	600*210*250mm	
High-voltage Box	Weight	23kg	
	Scalability	3-10 batteries in series	
	Installation	stacked	
	Charge Temperature	0°C~55°C	
General Specification	Discharge Temperature	-20°C~60°C	
•	IP Rating	IP 65	
	Cell Technology	LiFePO4	
	Cycle Life	6000 @ 80% DOD, 25°C/0.5C	
Cammuniaatia	Communication	RS485、CAN	
Communication	Display	SOC status indicator, LED indicator	

Wall Mounted HESS Products

Low voltage model

integrated LiFePO4 Battery for Energy Storage System

- 51.2V Low voltage LiFePO4 battery module, Single module is 51.2V 100Ah /200aH 5.12kWh/10.24KWh.
- Max 15 batteries in parallel.
- Compatible with the 48V single or three phase off grid, hybrid on/off grid solar inverter.
- Capable of High-Powered Emergency-Backup and Off-Grid Function.
- Self-Consumption Optimization for Residential and Commercial Applications.
- Modular Design Simplifies Transport and Installation



PRODUCT FEATURE

- >6000 Times Super Cycle Life
- IP65 waterproof design
- Premium safety and Long-term reliability
- Money saving & Flexible compatibility
- Low self-consumption maximization
- Affordable and simple installation

CERTIFICATES

N38.3 I











APPLICATION

- Household Energy Storage System
- Household Photovoltaic System
- Outdoor portable power station
- Removable power supply system

LOW VOLTAGE MODEL

	Model	TELiF-HESS 48100 W	TELiF-HESS 48200 W	
	Specification	51.2V 100Ah	51.2V 200Ah	
	Battery Energy	5120 Wh	10240 Wh	
Performance	Nominal Charge/ Discharge Current	50A	100A	
	Max Charge/ Discharge Current	100A	200A	
	Working Voltage	43.2~56.16Vdc	43.2~56.16Vdc	
	Dimension(WxDxH)	520*141.5*470mm(EU) 540*141.5*500mm(US)	800*590*142mm	
	Weight	47.2kg	96.5kg	
	Installation	Wall mounte	ed/Floor stand	
0	Charge Temperature	0°C	~55°C	
General Specificaition	Discharge Temperature	-20°0	C~60°C	
	IP Rating	IF	² 65	
	Cell Technology	LiF	ePO4	
	Cycle Life	6000 @ 80% DOD, 25°C/0.5C		
	Scalabitity	Max 15 batte	eries in parallel	
Communication	Communication	RS48.	5、CAN	
	Display	SOC status indicator, LED indicator		

Rack Mounted HESS Products

Low voltage model

Removable LiFePO4 Battery for Energy Storage System

- 51.2V Low voltage LiFePO4 battery module, Single module is 51.2V 100Ah 5.12kWh.
- Max. 15pcs in Parallel
- Compatible with the 48V single or three phase off grid, hybrid on/off grid solar inverter.
- Capable of High-Powered Emergency-Backup and Off-Grid Function.
- Self-Consumption Optimization for Residential and Commercial Applications.
- Modular Design Simplifies Transport and Installation





PRODUCT FEATURE

- >6000 Times Super Cycle Life
- IP20 waterproof design
- Premium safety and Long-term reliability
- Money saving & Flexible compatibility
- Low self-consumption maximization
- Affordable and simple installation

CERTIFICATES

UN38.3

IEC

 ϵ





APPLICATION

- Household Energy Storage System
- Household Photovoltaic System
- Outdoor portable power station
- Removable power supply system
- Telecommunication UPS system
- Data center
- Wind&Solar power
- Industrial application

LOW VOLTAGE MODEL

	Model	TELiF-48100S3
	Specification	51.2V 100Ah
	Battery Energy	5120 Wh
Performance	Nominal Charge/Discharge Current	50A
	Max Charge/Discharge Current	100A
	Working Voltage	43.2~56.16Vdc
	Dimension(WxDxH)	440*550*133mm
	Weight	43kg
	Installation	Rack mounted/Wall mounted/ Cabinet mounted
General	Charge Temperature	0°C~55°C
Specificaition	Discharge Temperature	-20°C~60°C
	IP Rating	IP 20
	Cell Technology	LiFePO4
	Cycle Life	6000 @ 80% DOD, 25°C/0.5C
	Scalabitity	Max 15 batteries in parallel
Communication	Communication	RS485、CAN
	Display	SOC status indicator, LED indicator

Rack Mounted HESS Products

Low voltage model

Removable LiFePO4 Battery for Energy Storage System

- 51.2V Low voltage LiFePO4 battery module, Single module is 51.2V 150Ah 7.68kWh.
- Max. 15pcs in Parallel
- Compatible with the 48V single or three phase off grid, hybrid on/off grid solar inverter.
- Capable of High-Powered Emergency-Backup and Off-Grid Function.
- Self-Consumption Optimization for Residential and Commercial Applications.
- Modular Design Simplifies Transport and Installation





PRODUCT FEATURE

- >6000 Times Super Cycle Life
- IP20 waterproof design
- Premium safety and Long-term reliability
- Money saving & Flexible compatibility
- Low self-consumption maximization
- Affordable and simple installation

CERTIFICATES

UN38.3

IEC

CE





APPLICATION

- Household Energy Storage System
- Household Photovoltaic System
- Outdoor portable power station
- Removable power supply system
- Telecommunication UPS system
- Data center
- Wind&Solar power
- Industrial application

LOW VOLTAGE MODEL

	Model	TELiF-48150
	Specification	51.2V 150Ah
	Battery Energy	7680 Wh
Performance	Nominal Charge/Discharge Current	75A
	Max Charge/Discharge Current	150A
	Working Voltage	43.2~56.16Vdc
	Dimension(WxDxH)	456*603*133mm
	Weight	72kg
	Installation	Rack mounted/Wall mounted/ Cabinet mounted
General	Charge Temperature	0°C~55°C
Specificaition	Discharge Temperature	-20°C~60°C
	IP Rating	IP 20
	Cell Technology	LiFePO4
	Cycle Life	6000 @ 80% DOD, 25°C/0.5C
	Scalabitity	Max 15 batteries in parallel
Communication	Communication	RS485、CAN
	Display	SOC status indicator, LED indicator

Telecom Energy Storage HESS Products

Low voltage model

Removable LiFePO4 Battery for Energy Storage System

- 51.2V Low voltage LiFePO4 battery module, Single module is 51.2V 100Ah 5.12kWh.
- Max. 15pcs in Parallel
- Compatible with the 48V single or three phase off grid, hybrid on/off grid solar inverter.
- Capable of High-Powered Emergency-Backup and Off-Grid Function.
- Self-Consumption Optimization for Residential and Commercial Applications.
- Modular Design Simplifies Transport and Installation





PRODUCT FEATURE

- >6000 Times Super Cycle Life
- IP20 waterproof design
- Premium safety and Long-term reliability
- Money saving & Flexible compatibility
- Low self-consumption maximization
- Affordable and simple installation

CERTIFICATES

UN38.3

IEC

 ϵ





APPLICATION

- Household Energy Storage System
- Household Photovoltaic System
- Outdoor portable power station
- Removable power supply system
- Telecommunication UPS system
- Data center
- Wind&Solar power
- Industrial application

LOW VOLTAGE MODEL

	Model	TTLiF-48100	
	Specification	51.2V 100Ah	
	Battery Energy	5120 Wh	
Performance	Nominal Charge/Discharge Current	50A	
	Max Charge/Discharge Current	100A	
	Working Voltage	43.2~56.16Vdc	
	Dimension(WxDxH)	440*550*133mm	
	Weight	43kg	
	Installation	Rack mounted/Wall mounted/ Cabinet mounted	
General	Charge Temperature	0°C~55°C	
Specificaition	Discharge Temperature	-20°C~60°C	
	IP Rating	IP 20	
	Cell Technology	LiFePO4	
	Cycle Life	6000 @ 80% DOD, 25°C/0.5C	
	Scalabitity	Max 15 batteries in parallel	
Communication	Communication	RS485、CAN	
	Display	SOC status indicator, LED indicator	

Telecom Energy Storage HESS Products

Low voltage model

Stackable LiFePO4 Battery for Energy Storage System

- 51.2V Low voltage LiFePO4 battery module, Single module is 51.2V 150Ah 7.68kWh.
- Max. 15pcs in Parallel
- Compatible with the 48V single or three phase off grid, hybrid on/off grid solar inverter.
- Capable of High-Powered Emergency-Backup and Off-Grid Function.
- Self-Consumption Optimization for Residential and Commercial Applications.
- Modular Design Simplifies Transport and Installation





PRODUCT FEATURE

- >6000 Times Super Cycle Life
- IP20 waterproof design
- Premium safety and Long-term reliability
- Money saving & Flexible compatibility
- Low self-consumption maximization
- Affordable and simple installation

CERTIFICATES

UN38.3

IEC

CE





APPLICATION

- Household Energy Storage System
- Household Photovoltaic System
- Outdoor portable power station
- Removable power supply system
- Telecommunication UPS system
- Data center
- Wind&Solar power
- Industrial application

LOW VOLTAGE MODEL

	Model	TTLiF-48150
	Specification	51.2V 150Ah
	Battery Energy	7680 Wh
Performance	Nominal Charge/Discharge Current	75A
	Max Charge/Discharge Current	150A
	Working Voltage	43.2~56.16Vdc
	Dimension(WxDxH)	456*603*133mm
	Weight	72kg
	Installation	Rack mounted/Wall mounted/ Cabinet mounted
General	Charge Temperature	0°C~55°C
Specificaition	Discharge Temperature	-20°C~60°C
	IP Rating	IP 20
	Cell Technology	LiFePO4
	Cycle Life	6000 @ 80% DOD, 25°C/0.5C
	Scalabitity	Max 15 batteries in parallel
Communication	Communication	RS485、CAN
	Display	SOC status indicator, LED indicator

Telecom Energy Storage HESS Products

Low voltage model

Removable LiFePO4 Battery for Energy Storage System

- 51.2V Low voltage LiFePO4 battery module, Single module is 51.2V 200Ah 10240kWh.
- Max. 15pcs in Parallel.
- Compatible with the 48V single or three phase off grid, hybrid on/off grid solar inverter.
- Capable of High-Powered Emergency-Backup and Off-Grid Function.
- Self-Consumption Optimization for Residential and Commercial Applications.
- Modular Design Simplifies Transport and Installation





PRODUCT FEATURE

- >6000 Times Super Cycle Life
- IP20 waterproof design
- Premium safety and Long-term reliability
- Money saving & Flexible compatibility
- Low self-consumption maximization
- Affordable and simple installation

CERTIFICATES

UN38.3

IEC

CE

RoHS



APPLICATION

- Household Energy Storage System
- Household Photovoltaic System
- Outdoor portable power station
- Removable power supply system
- Telecommunication UPS system
- Data center
- Wind&Solar power
- Industrial application

LOW VOLTAGE MODEL

	Model	TTLiF-48200
	Specification	51.2V 200Ah
	Battery Energy	10240 Wh
Performance	Nominal Charge/Discharge Current	100A
	Max Charge/Discharge Current	200A
	Working Voltage	43.2~56.6Vdc
	Dimension(WxDxH)	445*500*244mm
	Weight	Aprox 92kg
	Installation	Rack mounted/Wall mounted/ Cabinet mounted
General	Charge Temperature	0°C~55°C
Specificaition	Discharge Temperature	-20°C~60°C
	IP Rating	IP 20
	Cell Technology	LiFePO4
	Cycle Life	6000 @ 80% DOD, 25°C/0.5C
	Scalabitity	Max 15 batteries in parallel
Communication	Communication	RS485、CAN
	Display	SOC status indicator, LED indicator

Single-phase ESS Hybrid Inverter



Supports automatic battery switching;



Support diesel generator input source;



Compatible with lead-acid and lithium-ion batteries;



Parallel available, intelligent BMS



Input power source priority can be set by users;



Battery reverse connection protection, anti-power control function





Technical specification	R3KL1 R3K6L1 R4KL1 R4K6L1 R5KL1 R6KL1						
Input (PV)							
Max. power (kW)	4.6	4.6	6	6	7	7	
Max. DC voltage (V)			5	550			
MPPT voltage range (V)			125	~500			
Max.input current of single MPP	T (A)			14			
MPPT tracker/strings		2/1					
AC output							
Rated output power (kVA)	3	3.6	4	4.6	5	6	
Max. output current (A)	13	16	17.4	20	21.7	26	
Grid woltage/range (V)			230/1	76~270			
Frequency (Hz)	50/60						
PF	0.8lagging-0.8leading						
THDi	<3%						
AC output topology			L+N	N+PE			

Technical specification	R3KL1	R3K6L1	R4KL1	R4K6L1	R5KL1	R6KL1
Battery						
Battery voltage range (V)			40	~58		
Max.charging voltage (V)			5	58		
Max.charge/discharge current (A)	95/62.2	95/75	95/83.3	95/95.8	95/104.2	95/110
Battery type			lithium /L	_ead-acid		
Communication interface			CAN/	RS485		
EPS output						
Rated power (kVA)	3	3.6	4	4.6	5	6
Rated output voltage (V)			2	30		
Rated output current (A)	13	16	17.4	20	21.7	26
Rated frequency (Hz)			50	/60		
Automatic switching time (ms)		<20				
THDu			<2	2%		
Overload capacity		110%	s, 30S/120%	, 10S/150%,	0.02S	

Technical specification	R3KL1	R3K6L1	R4KL1	R4K6L1	R5KL1	R6KL1
General data						
Battery chage/dischage efficien		95	.0%			
DC Max. efficiency			97	.6%		
Europe efficiency			97	7.0%		
MPPT efficiency			99	.9%		
Ingress protection			IF	P65		
Noise emission (dB)			<	:35		
Operation temperature			- 25°C	C~60℃		
Cooling		Natural				
Relative humidity		0 ~95% (non-condensing)				
Altitude		2,000m (>2,000 Derating)				
Dimensions W*D*H (mm)		550*200*515				
Weight (kg)		25				
Isolation transformer			1	No		
Self-consumption (W)			<	<3		
Display and communicat	ion					
Display	LCD					
intercace:rs485/4G/wifi/can/DRN	Λ	Yes/ Opt/ Opt/ Yes/ Yes				
Safety standard		IEC/EN62109-1/-2, IEC/EN62477-1				
EMC		IEC/EN 61000-6-1, IEC/EN 61000-6-3				
On-grid		South Africa NRS097-2-1:2017, UK G98, G99				

Solar On/Off Grid Integrated Inverter

GH3600TL/4600TL/5000TL



Multiple operating modes, on-grid,off grid and UPS,MPPT charger built in.



Compatible with almost all 48V LiFePO4 battery pack



Integrated smart APP, can remotely diagnose and update



Frequency droop control,
Max. 16pcs parallel



DC couple and AC couple to retrofit existing solar system



One key to reactive the LiFePO4 battery pack





Model	GH5000TL	GH4600TL	GH3600TL		
PV Input (DC)					
Max. DC input power (W)	7000W 6600W 5200				
Max PV input voltage (V)		500V			
Starting voltage		150V			
PV input voltage range		150V-500V			
MPPT voltage range		120V-430V			
MPPT quantity		2			
Max string quantity toeach MPPT group	1				
Max input current		15A/15A			
Output/Input (AC)					
Rating output power	5000W	4600W	3600W		
Maximum output apparent power	5500VA	5000VA	3960VA		
Max output current	22.8A	22.8A	18A		
Rating grid voltage		230V			
Rating grid frequency	50HZ				
Total current waveform distortion rate	<3% (Rating power)				
DC component	<0.5%In				
Power factor range	>0.99@Full power (Adjustable range 0.8lead-0.8lag)				

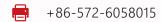
Model	GH5000TL	GH4600TL	GH3600TL	
Off grid output				
Max output power	4500W	4500W	3600W	
Rating output voltage	230V			
Rating output frequency	50Hz (60Hz Optional)			
UPS switching time	<20ms			
Total harmonic distortion (linear load)	<3%			
Overload capacity	110%, 30S/120%, 10/150%80ms			
Battery				
Voltage range	41.6V-58.5V			
Max charging current	95A (PV&AC Hybrid charging)	95A (PV&AC Hybrid charging)	80A (PV&AC Hybrid charging)	
Max discharging current	100A	100A	85A	
Battery type	Lithium battery / lead-acid battery			
Communication interface	RS485 / Can			
Efficiency				
Max efficiency	98%			
European efficiency	97%			
Max discharge efficiency	95%			
MPPT efficiency	99.90%			

Model	GH5000TL	GH4600TL	GH3600TL	
System				
IP inclosure	IP65			
Noise	<35dB			
Ambient temperature	-25°C ~60°C			
Cooling mode	Natural cooling			
Ambient humidity	0-95% non-condensing			
Altitude	No derating below 2000m			
Shutdown self power consumption	<3W			
Display	LCD			
Communication	RS485/USB/CAN/Wifi (GPRS optional)			
Certificate	IEC62109-1, IEC62109-2EN61000-6-1, EN61000-1-3 VDE-AR-N4105, EN50549, G99, CEI-021, AS/NZS4777.2, RD1699 (UNE206006IN: 2011/UNE206007-1IN:2013/UNE217002:2020)			
Warranty	5Years (Standard)			
Mechanical				
SizeL*W*H	580mm×350mm×230mm			
Install method	Wallmounted			
Weight	23.5Kg			

CONTACT US NOW!

TIANNENG INTERNATIONAL CO., LIMITED





export@tiannenggroup.com

- www.tiannengglobal.com
- Block C.6/F shun shing plaza, 50 stanley street, central, Hong Kong
- in Tianneng Group Official
- Tianneng Group

