

RESS

Solar Hybrid Inverter Product

RESIDENTIAL ENERGY STORAGE SOLUTION

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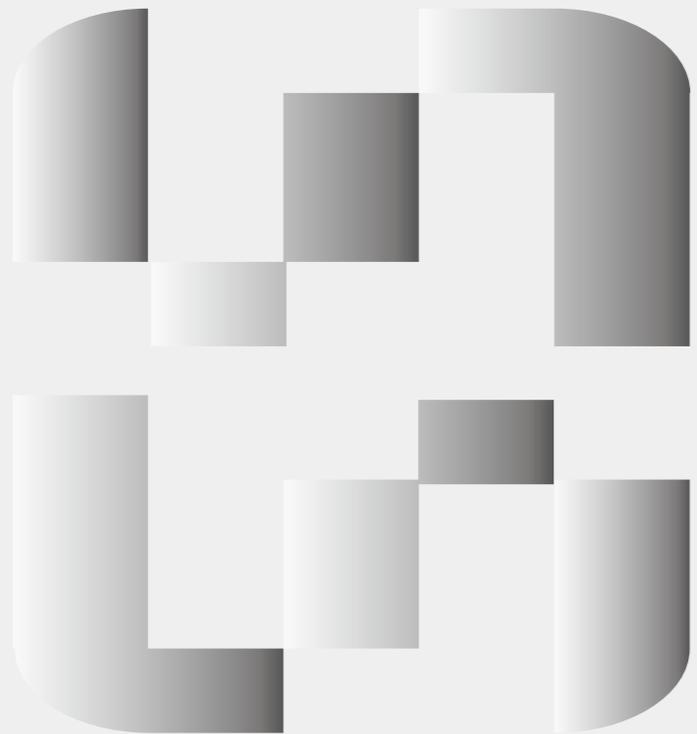
VISION: PROVIDE MOST COMPETITIVE RENEWABLE SOLUTION WORLDWIDE

SOLAR OFF GRID

LITHIUM BATTERY

SOLAR HYBRID

RECREATE ENERGY DREAM



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RENERGY OVERVIEW



International high-tech and fast growing company, founded in 2014 with 150+ employees, Sales turnover 10million+USD

Leading residential energy storage solution provider, focus on solar inverters(Off grid/Hybrid), Li batteries.

Provide standard & customized product, design and offer professional PV system solutions

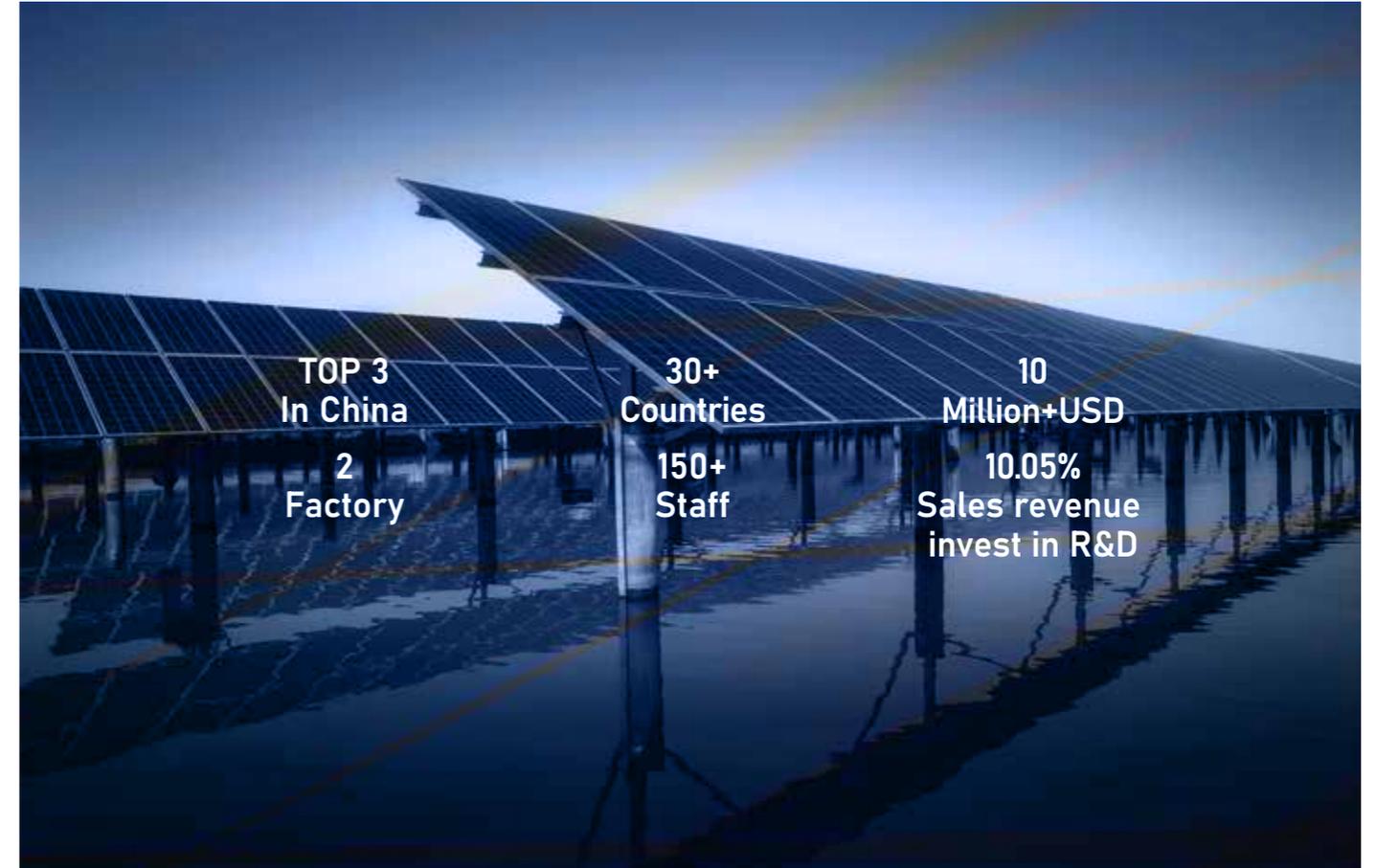
Strong R&D with 10% of sales revenue investment, meeting major international standard such as CE (LVD/EMC), CUL, FCC, etc.

Headquarter in Shen Zhen, 2 large factory in Zhejiang and Shenzhen, over 5000+ m²

Automatic production line, strict quality management system covering from incoming material inspection, manufacturing and QC, ranks first in passing ISO9001.

Global sales & service network, export 30+ countries, widely applied in residential and commercial rooftops, industrial and utility scale systems.

7*24hours support and after sales service



MILESTONE

2014

Reenergy was founded in Shen Zhen

2015

Invest R&D and set up factory in Shen Zhen, Launched 1st generation off-grid inverter

2017

Set up Thailand office

2016

Begin to develop overseas market

2018

Sales turnover 5million+ USD

2019

Launched hybrid inverter

2020

Perfecting global sales & service network

Set up Dubai office

2021

Export 30+ countries and sales turnover 10million+ USD

2022

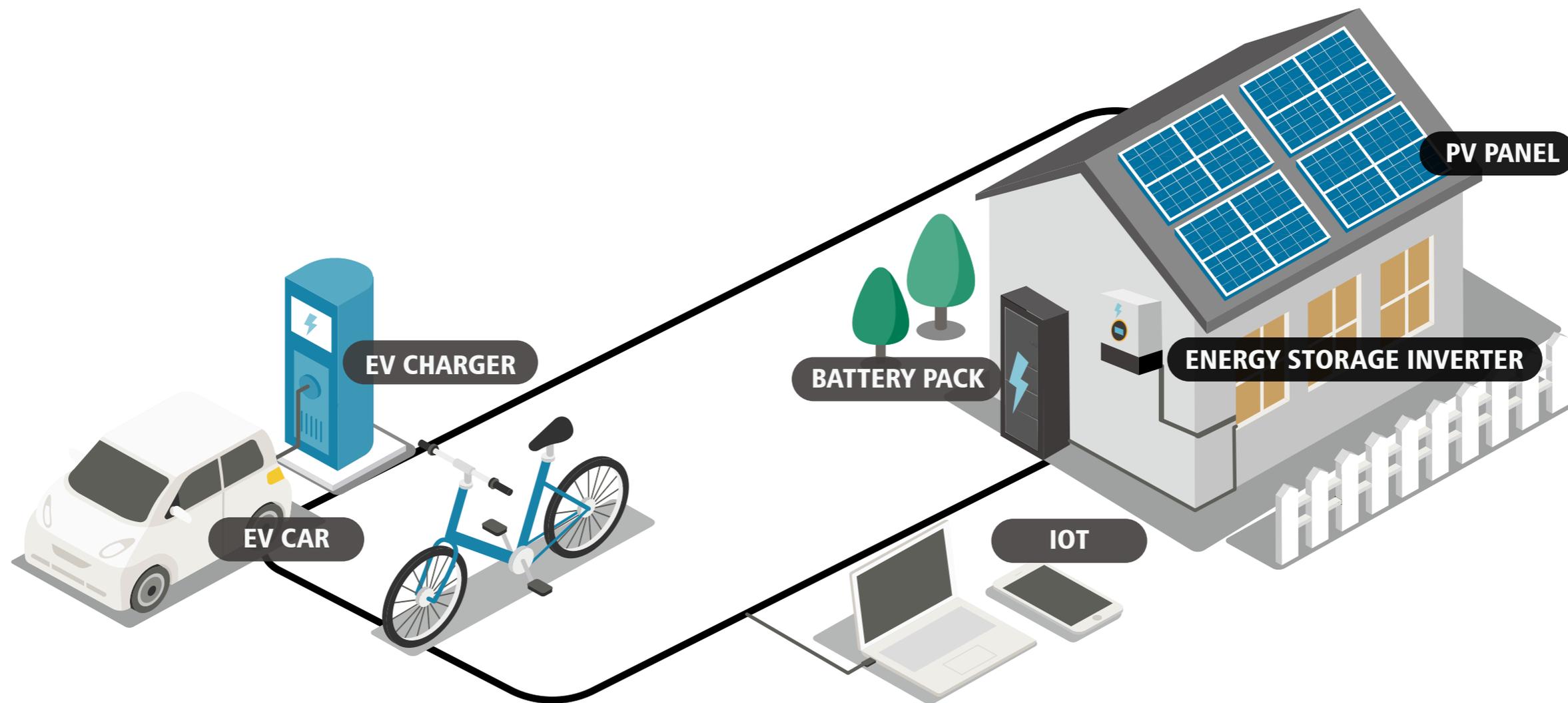
Business rapid grow

Enter into European

2023

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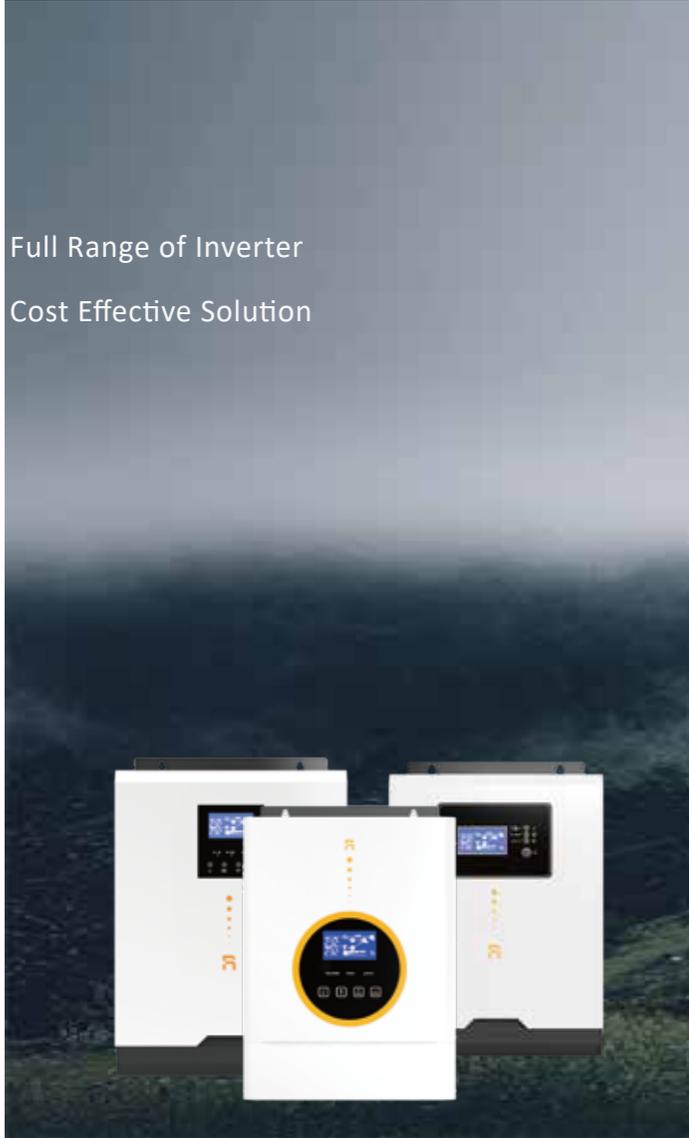
RESIDENTIAL ENERGY SOLUTION



BUSINESS SCOPE

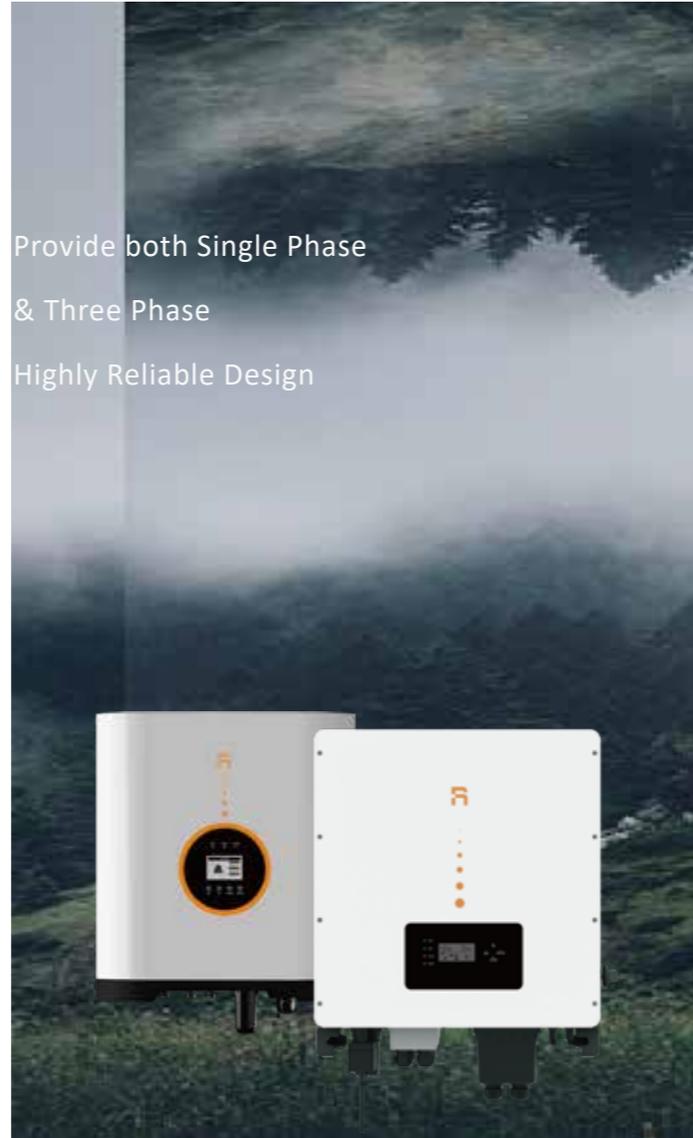
Off Grid Inverter

Full Range of Inverter
Cost Effective Solution



Hybrid Inverter

Provide both Single Phase
& Three Phase
Highly Reliable Design

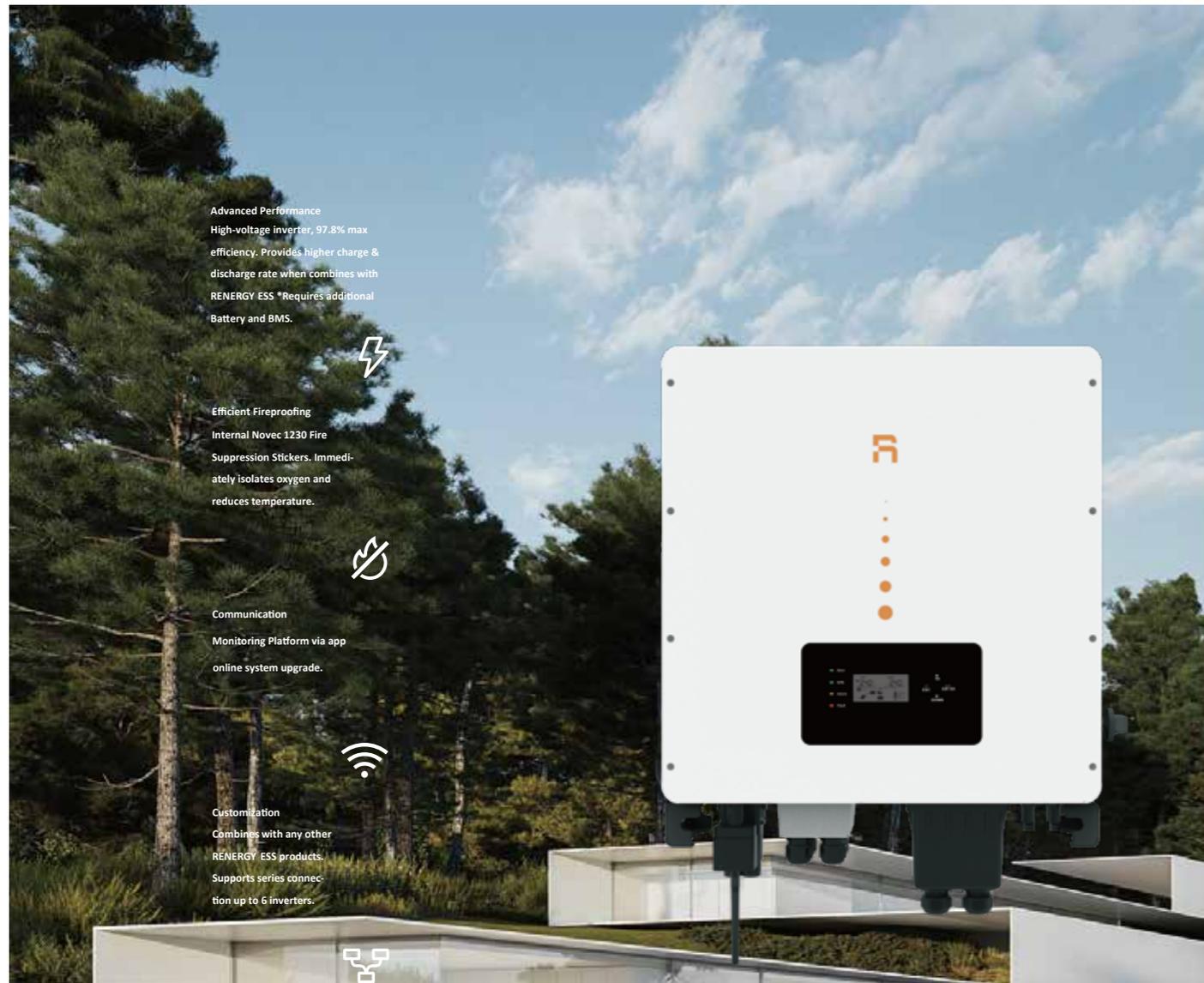


Lithium battery

Offer Energy Storage Solution
5000+ Cycles Guarantee



RES-L series



Advanced Performance
High-voltage inverter, 97.8% max efficiency. Provides higher charge & discharge rate when combines with RENERGY ESS *Requires additional Battery and BMS.

Efficient Fireproofing
Internal Novoc 1230 Fire Suppression Stickers. Immediately isolates oxygen and reduces temperature.

Communication
Monitoring Platform via app online system upgrade.

Customization
Combines with any other RENERGY ESS products. Supports series connection up to 6 inverters.

TECHNICAL DATA

Model	RES-L3K6TL	RES-L4K6TL	RES-L5KTL	RES-L6KTL
EFFICIENCY				
Max.Efficiency	>97.5%	>97.5%	>97.5%	>97.5%
PV INPUT				
Max. PV input power(W)	5700	7000	8000	960000
Max. PV input voltage(V)			550	
MPP Operation Voltage Range(V)			90-500	
Number of MPPT/String sper MPPT			2/1	
Short-circuit current of PV input(A)			16/16	
BATTERY				
Operating Voltage Range(V)			40-58	
Max Charge/Discharge Current(A)			100/110	
Battery Type			Li-ion/Lead-acid	
AC INPUT AND OUTPUT				
Rated Power(W)	3600	4600	5000	6000
Nominal AC Voltage(Vac)			230,(176-270)L/N/PE	
AC Power Frequency(Hz)			50/60	
Power Factor Range			~1(Adjus table from 0.8 leading to 0,8 lagging)	
OutputTHDi(@Nominal Output)			<3%	
Rated Output Current	16A	20A	21.7A	26A
OFF-GRID AC OUTPUT(BACK-UP AC OUTP				
Rated Output Power(W)	3600	4600	5000	6000
Nominal AC Output Voltage(Vac)			230,(176-270)L/N/PE	
AC Power Frequency(Hz)			50/60	
Max. AC Output Current(A)	16A	20A	21.7A	26A
GENARALDATA				
Operating Temper ature Range			-25°C ...+60°C(>45°C derating)	
Operating Altitude(m)	<4000	<4000	<4000	<4000
Noise(dB)	<40	<40	<40	<45
Cooling Method			Natural convection	
Ingress Protection Rating				IP65
Relative Humidity			0-100%, no condensation	
Display				
Communication			LCD,RS485(WiFi/GPRS Optinal),CAN RS485	
Mounting Method			Wall-mounting bracket	
Dimensions (W*H*D)(mm)	480*210*495			
Weight(Kg)	23	24.5	25	25
CERTIFICATION				
Safety			IEC62109-1/-2	
EMC			EN61000-6-1/-2/-3,IEC61000	
On-Grid standard			AS4777.2,NRS097-2-1:2017	

RES-H Series



Advanced Performance
High-voltage inverter, 97.8% max efficiency. Provides higher charge & discharge rate when combines with RESS ESS *Requires additional Battery and BMS.



Efficient Fireproofing
Internal Novac 1230 Fire Suppression Stickers. Immediately isolates oxygen and reduces temperature.



Communication
Monitoring Platform via app online system upgrade.



Customization
Combines with any other RENERGY ESS products. Supports series connection up to 6 inverters.



TECHNICAL DATA

Model	RES-H6KTR	RES-H8KTR	RES-H10KTR	RES-H12KTR	RES-H15KTR	RES-H17KTR	RES-H20KTR
EFFICIENCY							
Max. Efficiency	>98.2%	>98.2%	>98.2%	>98.4%	>98.4%	>98.4%	>98.4%
PV INPUT							
Max. PV input power(W)	7800	10400	13000	15600	19500	22100	26000
Max. PV input voltage(V)	1000	1000	1000	1000	1000	1000	1000
MPP Operation Voltage Range(V)	180-900	180-900	180-900	180-900	180-900	180-900	180-900
Number of MPPT/String per MPPT	2/1	2/1	2/1	2/1	2/1	2/2	2/2
Short-circuit current of PV input(A)	15/15	15/15	15/15	15/15	15/30	30/30	30/30
BATTERY							
Operating Voltage Range(V)	180-550	180-550	180-550	180-700	180-700	180-700	180-700
Max Charge/Discharge Current(A)	25/30	25/30	25/30	50/50	50/50	50/50	50/50
Max Input/Output Power(W)	6000/6000	8000/8000	10000/10000	12000/12000	15000/15000	17000/17000	20000/20000
Battery Type	Li-ion/Lead-acid						
AC INPUT AND OUTPUT							
Rated Power(W)	6000	8000	10000	12000	15000	17000	20000
Nominal AC Voltage(Vac)	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE
AC Power Frequency(Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Power Factor Range	~1(Adjust table from 0.8 leading to 0.8 lagging)						
OutputTHDi(@Nominal Output)	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Rated Output Current	10A	12A	15A	18A	22A	25A	31A
OFF-GRID AC OUTPUT(BACK-UP AC OUTP)							
Rated Output Power(W)	6000	8000	10000	12000	15000	17000	20000
Nominal AC Output Voltage(Vac)	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE
AC Power Frequency(Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Max. AC Output Current(A)	10	12	15	18	22	25	31
GENERALDATA							
Operating Temperature Range	-25°C ...+60°C(>45°C derating)						
Operating Altitude(m)	<4000	<4000	<4000	<4000	<4000	<4000	<4000
Noise(dB)	<40	<40	<40	<45	<45	<45	<45
Cooling Method	Natural convection	Natural convection	Intelligent Fan				
Ingress Protection Rating	IP65						
Relative Humidity	0-100%, no condensation						
Display							
Communication	LCD,RS485(Wifi/GPRS Optional),CAN RS485						
Mounting Method	Wall-mounting bracket						
Dimensions (W*H*D)(mm)	505*570*220	505*570*220	505*570*220	390*500*185	505*630*220	505*630*220	505*630*220
Weight(Kg)	23	23	23	22	23	24	24
CERTIFICATION							
Safety	IEC62109-1/-2						
EMC	EN61000-6-1/-2/-3,IEC61000						
On-Grid standard	AS4777.2,NRS097-2-1:2017						

Recreate Energy Dream

Focus on residential energy storage solution

Strong R&D background and reliable quality process

OEM customized service

Fast delivery

Well-organized service

Overseas office: Thailand, Dubai, Europe

