



NEXUSOLAR

海外户储产品解决方案

Nexus
Residential Solutions



CHNT 正泰



当前场景痛点/Pain Points

电费高昂
High Electricity Bills

电网不稳定
Unstable Power Grid

家庭用电盲盒
Hidden Energy Drain

多场景解决方案/Versatile Solutions for Every Home

广泛应用于普通住宅、高端别墅及自用商铺

Suitable for regular homes, luxury villas and self-use commercial properties.

掌上APP管理平台
Smart App Command Center



屋顶发电模块
Solar Roof System



绿色充电模块
AC Charging



智慧储能模块
Home Battery



ACBOX模块

系统组成/System Solution

NEXUSOLAR



单相混逆 1 Phase Hybrid
6kW 12kW



三相混逆 3 Phase Hybrid
12kW



51.2V 储能 Battery
5kWh 10kWh 16kWh



充电桩 AC Charger
7KW 11KW

产品价值/Product Value



用电更自由

Power Freedom

发电自己用
省下一大笔

Use your own power
to save on bills.



守护更安全

Guardian Security

全天监测
隐患早知道

24/7 monitoring for
total peace of mind.



管控更轻松

Effortless Control

点点手机
管好全家电器

Manage all appliances
with a few taps.



颜值更出众

Standout Design

兼具美观
服务美好生活

Beautifully designed
for a better life.



投资更长远

Enduring Investment

既省还赚
让阳光帮你赚钱

Let sunlight help
earn you money.

打破用电的时空与容量限制，通过智能备电、弹性扩容与多能协同，随需所用，无拘无束

Break free from time, location, and capacity limits. Through smart backup, elastic expansion, and multi-energy synergy.

无感切换
Seamless Switching

市电断电毫秒级响应，兼容柴发，离网稳定运行
Millisecond response. Works with Diesel Gen-sets.

弹性扩容
Flexible Expansion

新旧电池混用，无“木桶效应”，按需增配，投资不贬值
Mix old & new batteries safely without the "Bucket Effect." Zero waste, zero depreciation.

极速回能
Ultra-Fast Recovery

1小时快充 寿命提升30%
1-hour fast charge. capability boosts battery cycle life by 30%.



软件、硬件结合五重主动安全守护体系，
全方位出击，每一度电都用的安心

Hardware + Software Synergy.
A 5-layer active safety system ensuring every kilowatt-hour is secure and reliable.

机身防护

Robust Physical Protection
IP65防护等级，
1.5mm厚度材质设计
IP65 rating. Sleek 1.5mm
ultra-thin body design

智能预警

AI Smart Early Warning
AI **7×24小时**巡检，
大数据风险预判
AI-powered inspection detects
anomalies before they
become risks. Big data pred

权威认证

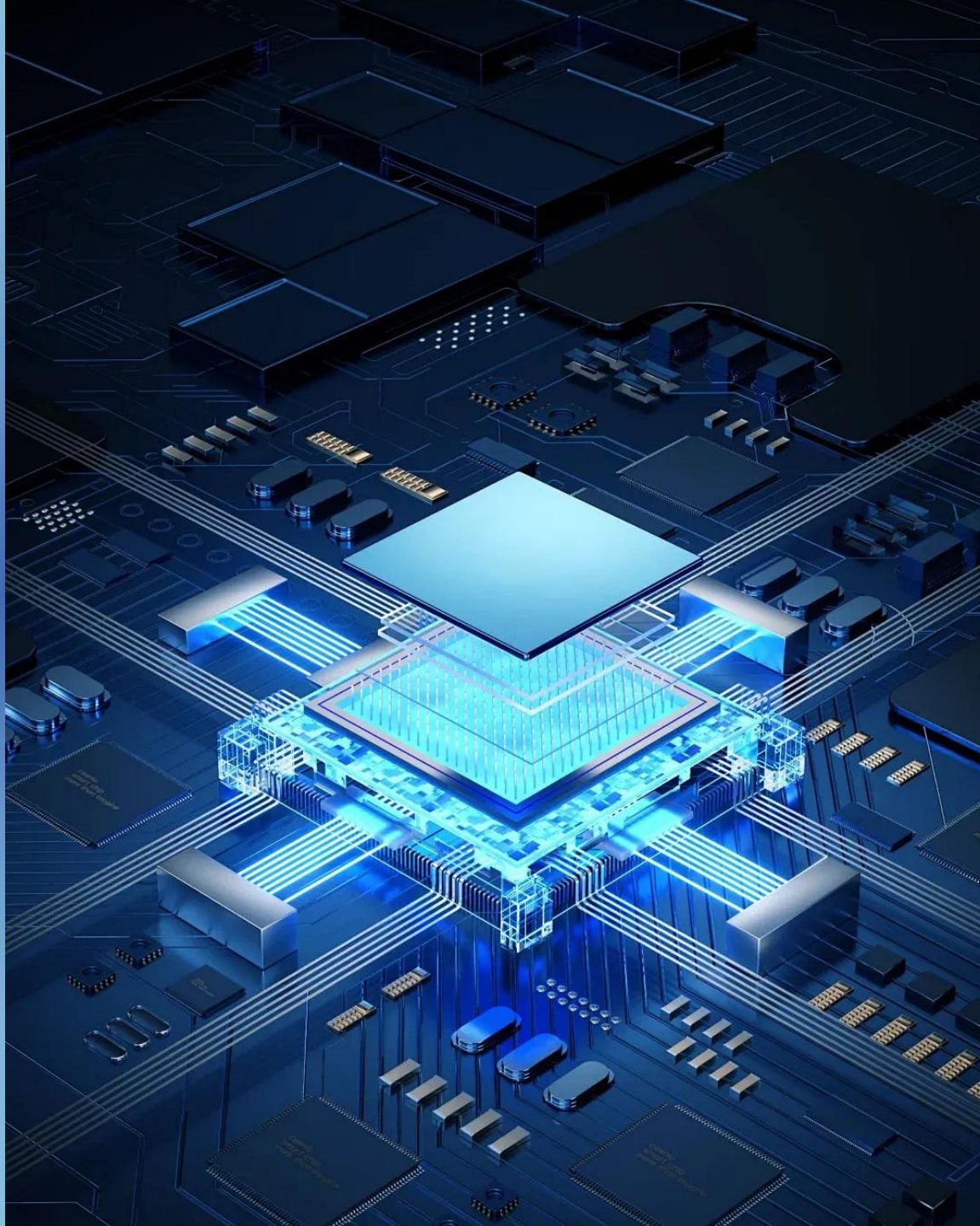
Global Authority Certified
UL、IEC等全球认证
Certified by UL (USA), IEC
(International), and other global
safety benchmarks

电芯设防

Cell-Level Defense
100,000+次安全测试，
pack级气溶胶防火保护
Passed over 1 million rigorous safety tests.
Pack-level aerosol fire suppression technology

电气安全

Electrical Safety
高品质电气组件
逆变器标配防火阻燃设计
Industrial-grade electrical parts. Inverter
features standard fire-retardant construction



告别复杂操作，提供比管家更贴心、比手册更直观的智能管控体验

Simplify complexity. Experience smarter, more intuitive energy management than any butler or manual can offer.

远程智控

Remote Control

出门在外，电器状态随时查看，**一键开关**。

Check status anywhere. One-tap switching.

用电可看

Clear Insights

发电、用电、省钱，每笔账都清晰明了。

Track generation, usage, and savings at a glance.

主动贴心

Proactive Care

异常提前预警，**用电模式自动优化**。

Get alerts and auto-optimize modes to save power.

联接无忧

Easy Connectivity

一键设备组网，专属编码极速匹配。

One-click device networking, code instant matching.



NEXHome

光伏储能，不止于功能，更为您的家增添高级感

Add Luxury to Your Home: Beyond mere functionality—elevating your home with a premium architectural statement.

融于建筑

Seamless Fit

整体嵌入，不破坏装修美感

Integrates into the building structure, preserving the home's original aesthetic.

极简美学

Minimalist Aesthetic

整无杂乱管线，外观统一

No messy cables. A clean, uniform look for the modern exterior.

结实耐造

Built to Endure

抗腐蚀、耐严寒酷暑

Withstands corrosion, extreme heat, and sub-zero temperatures.

双色可选

Dual color options

黑白双色可选，百搭多元场景

Available in Black & White. Versatile design fits any setting.



让光伏储能系统不仅是消费，更是您家庭一项稳健增值、长期生钱的资产

More than just a purchase—transform your solar storage into a stable, appreciating asset for your family.

更快回本 Rapid Payback

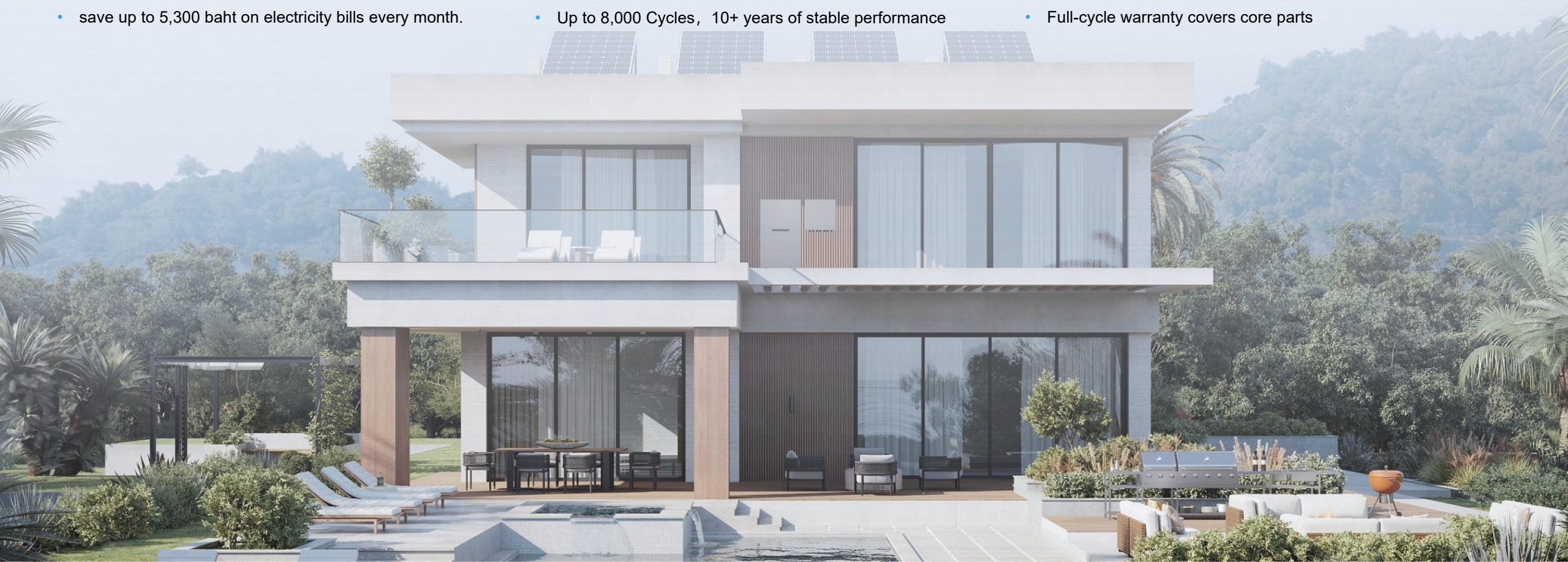
- 自发自用，月度最多节省**5300**铢电费
- save up to 5,300 baht on electricity bills every month.

收益持续 Sustained Returns

- **8000**次循环，系统寿命保障超**10**年
- Up to 8,000 Cycles, 10+ years of stable performance

安心保障 Total Peace of Mind

- 超长全周期质保，质保期内**以换代修**
- Full-cycle warranty covers core parts



运维服务/Lifecycle Support

超长质保，只换不修

Extended Warranty
Replacement Only

光伏板15年，逆变器10年，电池10年
PV Panels 15 Years, Inverter 10 Years,
Battery 10 Years.

极速响应，问题不过夜

48-Hour Service
Rapid Response

12小时线上响应，48小时上门服务
12-hour Online Response
48-hour On-site Service.

专属服务，全程无忧

Exclusive Service
Hassle-free Process

0元技术咨询，现场勘测一户一方案
0 THB Technical Consultation
On-site Survey & Customized Plan.

主动运维，智能守护

Proactive O&M
Smart Protection

年度上门巡检，7×24小时智能监控
Annual On-site Inspection
7x 24-hour Smart Monitoring.

商业保险，兜底保障

Commercial Insurance
Safety Net Guarantee

全系统投保商业险，投资更安心
Full System Commercial Insurance
Invest with Peace of Mind.



充电桩：主机质保4年
充电枪（含枪线）：质保2年

ACBOX：质保5年

Main Unit: 4 Years

Charging Gun (with Cable): 2 Years

AC Box: 5 Years

光伏组件：质保15年

逆变器：质保10年

储能：质保10年

NEXHOME：终身免费运维

PV module: 15-Year Warranty

Inverters: 10-Year Warranty

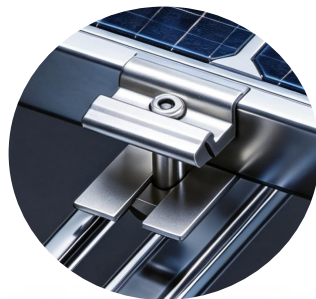
Energy Storage: 10-Year Warranty

NEXHOME: Lifetime Free Maintenance



屋顶发电模块/Solar Roof System

双压块
Mid Clamp



挂钩组合
Roof Hook Kit

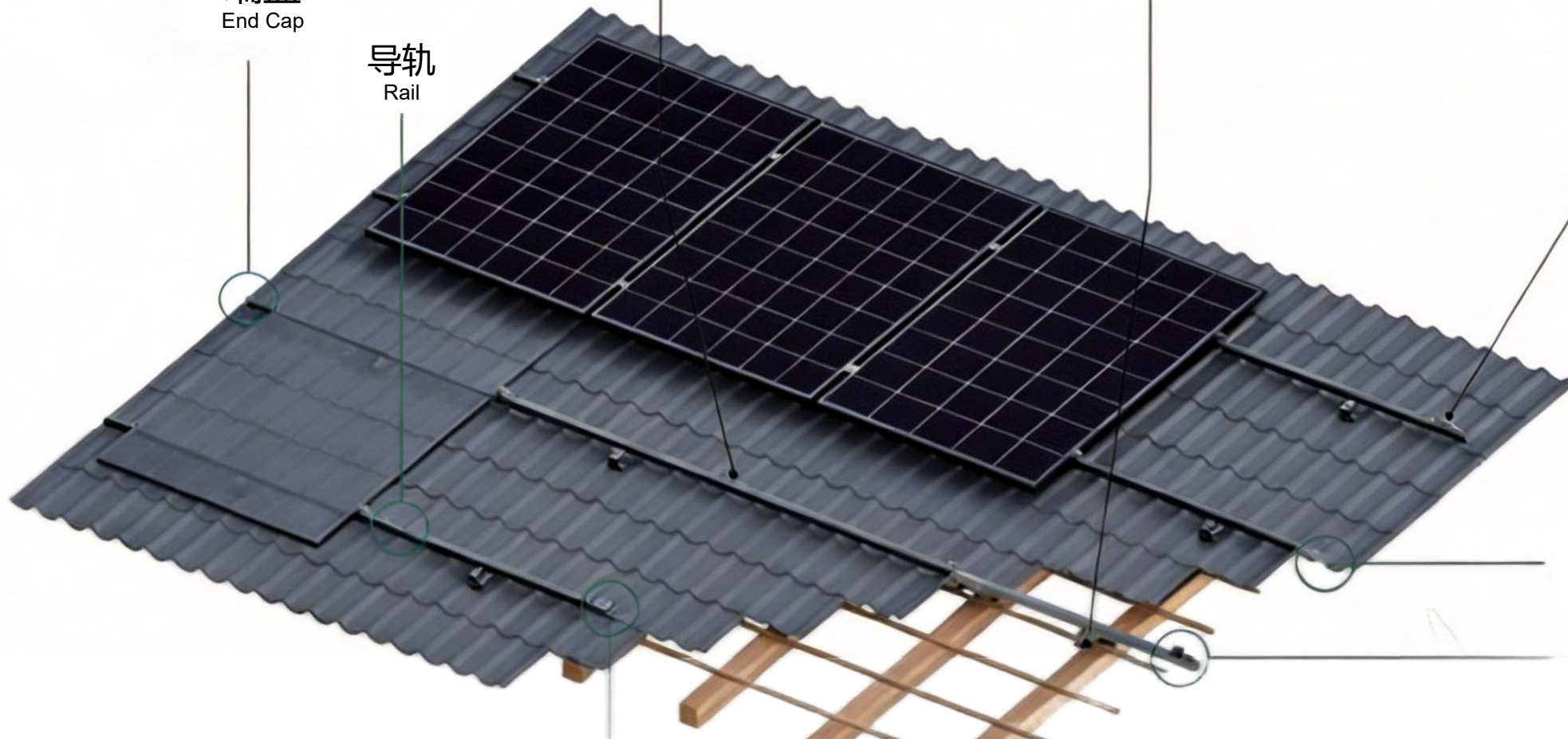


单压块
End Clamp



端盖
End Cap

导轨
Rail



端盖
End Cap

结构优势/Solar Roof System

01

模块化快速拼装，
施工简单省时

隔绝日晒雨淋侵蚀，
保护墙体屋面

02

03

隔绝雨水渗透，
阻隔冷热气流

04

结构稳定，
受力均匀不易形变

05

拼接式组合，自
由适配各类户型

ACBOX模块

Category	Parameter	Value
General Parameters	Dimension [W / D / H]	296 mm × 230 (460) mm × 490 mm
	Rated AC V	380/400/415V, 220/230/240V, L1/L2/L3/N+PE
Performance	Grid Max I	63 A
	Inv Max I	60 A
	Backup Max I	63 A
	Non-backup Max I	63 A
	LVRT	Surport
	Grid Switch Time	≤ 20ms (MAP0), ≤ 100ms (M1/MB0) ²
	Bypass Switch Mode	Manual
	Generator Mode	Remote Control
Measurement Range	Current Range	≤ 63 A
	Energy Measurement Accuracy	± 1%
	Cooling Method	Natural Cooling
Operating Environment	RH Range	5% ~ 95% RH (Non-condensing)
	Operating Altitude	4000m (Derating above 2000m)
	IP Rating	IP55
	Operating Temperature	-25°C ~ 50°C

光伏组件/PV Module

General Parameters	
Pmax(W)	630W
Efficiency (%)	23.3%
Glass	2.0mm Thermally Strengthened Glass
Weight (kg)	32.5kg
Dimension [W / D / H]	2382*1134*30mm
Operating Temperature Range	-40~+85°C



低压混合逆变器/Low Voltage Hybrid Inverter

125-425V宽电压, 高效捕光

MPPT Voltage Range 125~425V

IP65防护, 无惧风雨

IP65 Protection Degree

1~6台并联, 灵活扩容

Number of Parallel 1 ~ 6 units



适配48V标准储能方案

48V Rated Battery Voltage

-25~60°C宽温, 极端天气无忧

Operating Temperature
Range: -25 ~ 60°C

Saturn
6K
LVS

产品规格表
Spec Sheet

Category	Parameter	Saturn 6K LVS	Can be set	Category	Parameter	Saturn 6K LVS	Can be set
OFF-GRID OUTPUT	Rated Output Power [W]	6000			MPPT Operating Voltage Range [Vdc]	120 ~ 450	
	Max. Peak Power [VA]	12000					
	Rated Output Voltage	230Vac, single phase	√		Input Voltage Range [Vdc]		
	Load Capacity of Motors	4HP		UTILITY / GENERATOR INPUT	Input Frequency Range [Hz]		√
	Output Frequency Range [HZ]	50 ± 0.3 / 60± 0.3			Bypass Overload Current [A]	40	
	Switching Time	10ms (typical value)					
					MPPT Tracking Efficiency	99.9%	
ON-GRID OUTPUT	Rated Output Power [W]	6000		EFFICIENCY	Max. Efficiency	97.5%	
	Max. Apparent Power [VA]	12000					
	Rated. Output Current [A]	26			Num. of Parallel	1 ~ 6 units	
	Max. Output Current [A]	28.6		GENERAL	Dimension (W*H*D) [mm]	556*345*182	
	THDI	< 3%			Weight [kg]	20	
	Power Factor	0.8 leading to 0.8 lagging			Protection Degree	IP65	
	Rated Voltage	230Vac, single phase			Operating Temperature Range [°C]	-25 ~ 60°C (<45°C derating)	
	Frequency [Hz]	50 / 60			Humidity Range	0% ~ 100%	
BATTERY	Battery Type		√		Noise	< 60dB	
	Rated Battery Voltage	48V (minimum start-up voltage 44V)			Cooling Method	heatsink & intelligent air cooling	
	Battery Voltage Range [Vdc]	40 ~ 60			Warranty	5 years	
	Max. PV Charging Current [A]	100	√				
	Max. Utility Charging Current [A]	60	√		Internal Interface	RS485 / CAN / USB / Dry contact	
	Max. Generator Charging Current [A]	60	√	COMMUNICATION	External Module (optional)		
	Num. of MPPT	2	√				√
PV INPUT	Max. Input Power [W]	4500+4500			Safety		√
	Max. Input Current [A]	16+16		CERTIFICATION	EMC		
	Max. Short-circuit Current [A]	27+27			RoHS		
	Max. Open-circuit Voltage [Vdc]	500+500					

Saturn
12K
LVS

产品规格表
Spec
Sheet

Category	Parameters	Saturn 12K LVS	Category	Parameters	Saturn 12K LVS
INVERTER OUTPUT	Rated Output Power [W]	12000	PV INPUT	Max. PV Array Power [W]	6600+6600
	Max. Peak Power [VA]	24000		Max. Input Current [A]	
	Rated Output Voltage	230 Vac single-phase / three-phase (parallel)		Max. Voltage of Open Circuit [Vdc]	
	Load Capacity of Motors	6HP	MAINS / GENERATOR INPUT	MPPT Voltage Range [Vdc]	
	Output Frequency [HZ]	50 / 60		Input Voltage Range [Vdc]	90 ~ 280
	Number of Parallel	1 ~ 6 units		Frequency Range [Hz]	50 / 60
AC OUTPUT (GRID)			EFFICIENCY	Bypass Overload Current [A]	63
	Rated Output Power [W]	12000		MPPT Tracking Efficiency	99.9%
	Max. Apparent Power [VA]	12000		Max. Efficiency	97.5%
	Max. Output Current [A]	54.5	GENERAL	European Efficiency	97.0%
	Rated Output Voltage [Vac]	230		Dimension (W*H*D) [mm]	670*440*240
	THDI	< 3%		Weight [kg]	37
	Power Factor	0.8 leading to 0.8 lagging		Protection Degree	IP65
BATTERY	Frequency [Hz]	50 / 60		Operating Temperature Range [°C]	-25 ~ 60°C, >45°C derated
	Battery Type	Lead-acid / Li-ion / User-defined		Humidity Range	0% ~ 100%
	Rated Battery Voltage [V]	48	COMMUNICATION	Cooling Method	Forced air cooling
	Battery Voltage Range [Vdc]	40 ~ 60		Embedded Interfaces	RS485 / CAN / USB / Dry contact
	Max. Generator Charging Current [A]	60		External Module (optional)	Wi-Fi / GPRS
	Max. Grid Charging Current [A]	120	CERTIFICATION		
	Max. PV Charging Current [A]	200		Safety	IEC62109-1, IEC62109-2
PV INPUT	Max. Hybrid Charging Current [A]	200		EMC	EN61000-6-1, EN61000-6-3, FCC15 classB
	Num. of MPPT Trackers	2		RoHS	Yes

Saturn 12K LVT 产品规格表 Spec Sheet	Parameters	Saturn 12K LVT	Can be set	Parameters	Saturn 12K LVT	Can be set
	INVERTER OUTPUT			Max. Input Current [A]	22 + 22	
	Max. Peak Power [VA]	24000		Max. PV Isc [A]	37 + 37	
	Rated Output Voltage	230/400Vac, three phase	√	Max. Voltage of Open Circuit [Vdc]	800 + 800	
	Load Capacity of Motors	6HP		MPPT Voltage Range [Vdc]	200 ~ 650	
	Output Frequency [HZ]	50 / 60		Input Voltage Range [Vac]	Phase voltage 170~280Vac line voltage 305~485Vac	√
	Number of Parallel	1 ~ 6 units		Frequency Range [Hz] (Mains/Generator)	50 / 60	
	AC OUTPUT (ON-GRID)			MAINS / GENERATOR INPUT		
	Max. Apparent Power [VA] (On-Grid)	12000		MPPT Tracking Efficiency	99.9%	
	Rated AC output phase current [Aac]	17.4		Max. Efficiency	97.5%	
	Rated. Output Voltage [Vac] (On-Grid)	230/400		EFFICIENCY		
	THDI	< 3%		Dimension (W*H*D) [mm]	700*440*260	
	Power Factor	0.8 leading to 0.8 lagging		Weight [kg]	39.2	
	Frequency [Hz] (On-Grid)	50 / 60		GENERAL		
	BATTERY			Operating Temperature Range [°C]	-25~60°C (>45°C derating)	
	Rated Battery Voltage [V]	48		Humidity Range	0% - 100%	
	Battery Voltage Range [Vdc]	40 ~ 60		Cooling Method	Forced air cooling	
	Max. Generator Charging Current [A]	120		Embedded Interfaces	RS485 / CAN / USB / Dry contact	
	Max. Grid Charging Current [A]	120		External Module (optional)	Wi-Fi / GPRS	√
	Max. Hybrid Charging Current [A]	260	√	COMMUNICATION		
	Num. of MPPT Trackers	2		EMC	EN61000-6-1, EN61000-6-3, FCC15 classB	

储能电池/Home Battery

真省地

Space-Saving

立式设计,
支持壁挂
Vertical & Wall-
Mount Design

真灵活

True Flexibility

支持**6机**并联组网, 电
池柜可实现**12柜**并联
6-Unit Parallel, 12-
Cabinet System

真安全

True Safety

国轩**A+**电芯,
BMS双重防护
Gotion A+ Grade Cells,
Active Monitoring

真能装

Massive Power Capacity

支持放电功率**15.36KW**, 超过**1.1**
倍功率5s断开; 家庭电器同时开
15.36KW Output, Powers All Home
Appliances

真省心

Worry-Free Automation

15分钟快速安装, 专利盲插设计
安装自动联网, 故障自动报警
15-Min Install, Patented Blind-
Plug Auto-Networking & Alerts



Saturn LV05-02

Model	Saturn LV05-02	2×Saturn LV05-02	3× Saturn LV05-02	4× Saturn LV05-02
Total Energy (kWh)	5.12	10.24	15.36	20.48
Continue Discharge Output (kW)	5.12	10.24	13.312	13.312
Max. Charge/Discharge Curren (A)	100	200	200	200
Approximate Weight (KG)	49.1	98.2	147.3	196.4

Saturn LV05-02	Battery System
Battery Type	LFP(LiFePO ₄)
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Max. Charge / Discharge Curren	100A
Ingress Protection	IP65
Dimension [W / D / H]	500×160×850mm
Weight Approximate	49.1KG

General Specifications	
Recommend Depth of Discharge	90%
LED Indicator	4 LED (SOC: 25%-SOC:100% ,blue), 2 LED ((working green, alarming red))
IP Rating of Enclosure	IP65
Operating Temperature	Charge : 0℃~50℃/Discharge: -20℃~50℃
Storage Temperature	0℃ - 35℃
Humidity	≤ 95%
Altitude	≤ 3000m
Cycle Life	10 + years, ≥ 8000 cycles (70 % EOL,80 % DOD,25 °C)
Installation	Floor-mounted, Wall-mounted(Optional) Wall-mounted installation requires professional evaluation of wall load-bearing
Equipment Form	Casters (Optional)
Communication Port	CAN
Certification	UN38.3, EMC

Saturn LV10-01

Model	Saturn LV10-01	2×Saturn LV10-01	3× Saturn LV10-01	4× Saturn LV10-01
Total Energy (kWh)	10.55	21.09	31.64	42.19
Continue Discharge Output (kW)	10.24	17.92	17.92	17.92
Max. Charge/Discharge Curren (A)	200	350	350	350
Approximate Weight (KG)	92	184	276	368

Saturn LV10-01	Battery System
Battery Type	LFP(LiFePO ₄)
Nominal Voltage	51.2V
Nominal Capacity	206Ah
Nominal Energy	10.55kWh
Max. Charge / Discharge Curren	200A
Ingress Protection	IP65
Dimension [W / D / H]	580×240×710mm
Weight Approximate	92KG

General Specifications	
Recommend Depth of Discharge	90%
LED Indicator	4 LED (SOC: 25%-SOC:100% ,blue), 2 LED ((working green, alarming red))
IP Rating of Enclosure	IP65
Operating Temperature	Charge : 0℃~50℃/Discharge: -20℃~50℃
Storage Temperature	0℃ - 35℃
Humidity	≤ 95%
Altitude	≤ 4000m
Cycle Life	10 + years, ≥ 8000 cycles (70 % EOL,80 % DOD,25 °C)
Installation	Floor-mounted, Wall-mounted(Optional) Wall-mounted installation requires professional evaluation of wall load-bearing capacity
Equipment Form	Casters (Optional)
Communication Port	CAN
Fire extinguishing	Aerosol (Optional)

Saturn LV16-01

Model	Saturn LV16-01	2×Saturn LV16-01	3× Saturn LV16-01	4× Saturn LV16-01
Total Energy (kWh)	16	32	32	64
Continue Discharge Output (kW)	15.36	17.92	17.92	17.92
Max. Charge/Discharge Curren (A)	300	350	350	350
Approximate Weight (KG)	121	242	363	484

Saturn LV16-01	Battery System
Battery Type	LFP(LiFePO ₄)
Nominal Voltage	51.2V
Nominal Capacity	314Ah
Nominal Energy	16kWh
Max. Charge / Discharge Curren	300A (双端口)
Ingress Protection	IP65
Dimension [W / D / H]	724×240×710mm
Weight Approximate	121KG

General Specifications	
Recommend Depth of Discharge	90%
LED Indicator	4 LED (SOC: 25%-SOC:100% ,blue), 2 LED ((working green, alarming red))
IP Rating of Enclosure	IP65
Operating Temperature	Charge : 0°C~50°C/Discharge: -20°C~50°C
Storage Temperature	0°C - 35°C
Humidity	≤ 95%
Altitude	≤ 4000m
Cycle Life	10 + years, ≥ 8000 cycles (70 % EOL,80 % DOD,25 °C)
Installation	Floor-mounted, Wall-mounted(Optional) Wall-mounted installation requires professional evaluation of wall load-bearing capacity
Equipment Form	Casters (Optional)
Communication Port	CAN
Fire extinguishing	Aerosol (Optional)

充电桩/AC Charger

UL94 V-0级阻燃标准
温控自动断电

UL94 V-0 , Flame-Retardant
Enclosure

20℃~+50℃宽温，
耐各种极端天气

Operating:- 20℃~+50℃,
Humidity5%~95%

6kg轻量化设计
安装搬运更轻松

Ultra-Light: Just 6 kg
Easy to carry, easy to install

IP65防护等级
可直接户外安装

All-Weather Resilience

多种接口，兼容各种新能源车型

Fits All EVs: Compatible with every
brand on the road



Parameters	
Product Name	AC Charger
Max Input / Output Current	32A
Max Power Output	7/11kW
Rated Voltage & Frequency	Single-phase: 230VAC ±10% Three-phase: 400VAC @ 50/60 Hz
Insulation Resistance	> 500MΩ(DC500V)
Contact Resistance	Max 0.5mΩ
Connector Type	type1、type2
Output Mode	Case C (Tethered Cable with Gun)
Communication Interface	Wi-Fi, Bluetooth, Ethernet, 4G, RS485 (Meter)
Communication Protocol	OCPP 1.6J, MQTT Private Cloud
Withstand Voltage	1500V
Residual Current Protection	Type A 30mA + DC 6mA
IP Rating	IP65
Operating Humidity	5%~95% (Non-condensing)
Operating Temperature Range	Operating: -20℃ ~ +50℃ Storage: -30℃ ~ +60℃
Flammability Rating	UL94 V-0
Protection Feates	Over/Under Voltage, Over Current, Leakage, Over Temperature, Surge, Short Circuit
Additional Features	Plug & Charge, Current/Time Adjustment, App Control (Wi-Fi/Bluetooth)
Certifications	CE、CSA
Dimensions	221.8 × 103.9 × 405 mm
Weight	6.0 kg
Model No.	NTW-EC2A7W1-L、 EC2A11W1-L、 EC2A22W1-L



NEXUSOLAR

海外户储产品解决方案 · Nexus Residential Solutions

感谢 观看

T H A N K S



CHNT 正泰

