VEICHI

Power For Ever

Empowering Energy Solutions

POWER FOR EVER

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Veichi Electric (Stock Code: 688698) specializes in electrical transmission and industrial control, operating as an integrated high-tech enterprise in R&D, production, and sales of industrial automation products. With a vision to lead in smart industry and green energy solutions, the company leverages its R&D and manufacturing hubs in Suzhou, additional R&D centers in Shenzhen and Xi'an, and wholly-owned subsidiaries overseas, consistently serving customers worldwide with competitive and reliable solutions.

Under the "One Core, Two New Drivers" strategy, Veichi focuses on industrial automation, offering AC drives, servo systems, and control systems widely applied across heavy and light industries, as well as high-end equipment sectors, supporting the digital and intelligent transformation of manufacturing with its tailored solutions. Simultaneously, in two emerging fields, it provides one-stop solutions for humanoid, collaborative, and mobile robots in embodied intelligence, while in green energy, it delves into segments like photovoltaic, energy storage, and hydrogen energy, to "connect every device with green power," fostering a synergistic growth between core operations and new ventures.

Sustained R&D has yielded a portfolio of proprietary patented technologies including silicon carbide application, HF injection, motor controls and protections (auto-tuning, flying-start, high-speed flux-weakening, V/F control, vector control), high-density water-cooling layout, and IGBT drive protection. As of September 30, 2025, Veichi holds 234 patents, with 66 for invention.

Over two decades of steady growth, Veichi has earned numerous certifications and accolades from national and regulatory authorities, including "High-Tech Enterprise," "Postdoctoral Research Workstation," and provincial honors like "Engineering Technology Research Center," "Enterprise Technology Center," and "Industrial Internet Development Demonstration Enterprise (Benchmark Factory Category)."

Guided by its mission to "Drive Smart Industry, Co-create a Green Future," Veichi will continue to intensify R&D and advance into high-performance, high-reliability fields to propel global progress.

VEICHI

THE LEADER IN ENERGY STORAGE SOLUTIONS

2005
Founded

20 years
Experience in the inverter industry

1700+
Employees

600+
R&D team members ensure quality

10 years
Experience in the solar field

20+
Overseas aftersale service centers

Suzhou
Headquarter

3 major
Production bases and R&D centers

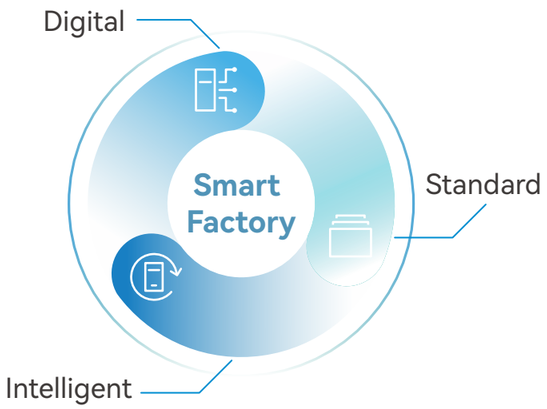
Local support
Technical service

Top share
North Africa and MEA

MANUFACTURING

Automation Evolution
Smart Factories' New Revolution

Entire production cycle, from development to planning and execution, fully digitalized and intelligentized, with an annual output of 1,367,500 units.
Automated full-process quality control model combining a three-phase inspection with proportional checks WMS, MES, and ERP systems ensuring unique codes per piece for phase traceability .



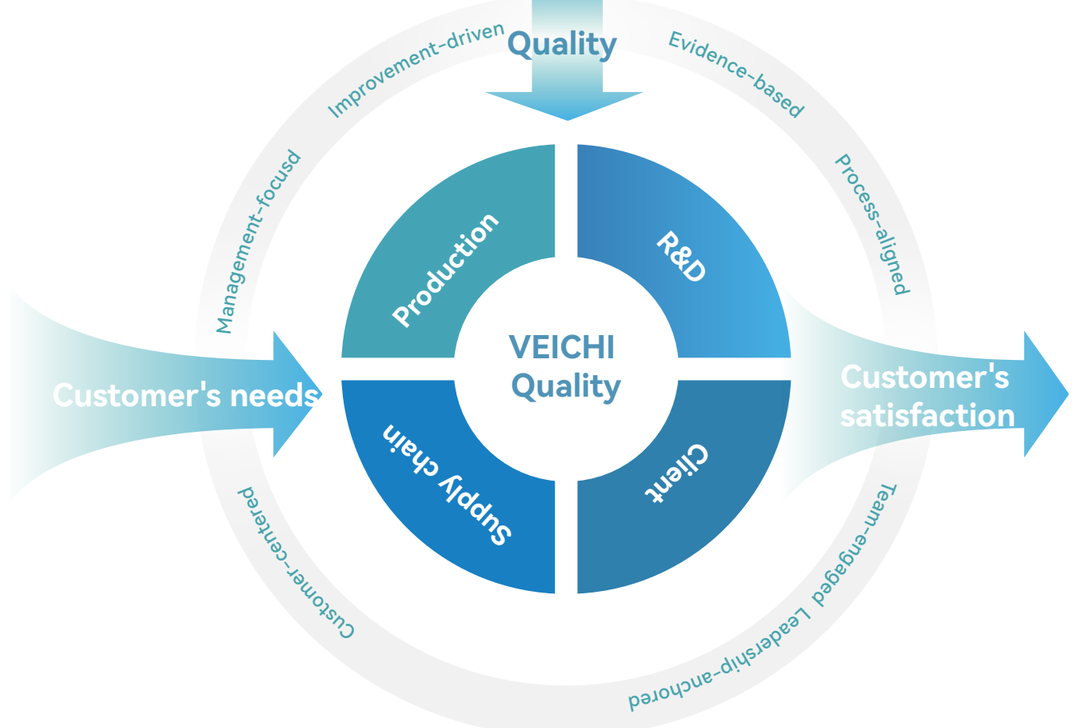





QUALITY MANAGEMENT

Embrace Craftsmanship
Create Masterpiece

- Quality-first philosophy and world-leading standards throughout procurement, product development, and production
- Whole series of products passed ISO9001-2015, ISO14001-2015, ISO45001-2018,and CE certification
- Specialized products passed 3C certification
- Customized products compliant with RoHS2.0 directive



SERVICE SCOPE

Pioneering Technology , Unmatched Service

VEICHI Electric has established an integrated global service network through its innovative "Region + Industry" marketing strategy, which synergizes cross-sector resources and distribution channels to deliver comprehensive solutions. With permanent business and technical support teams strategically located across 22 major Chinese cities and overseas operations including Indian subsidiaries, the company is supported by an extensive network of 334 domestic and international distributors that ensure seamless market coverage. By consistently delivering superior product quality backed by professional technical support and service excellence, VEICHI Electric continues to enhance its global brand reputation while driving sustainable international growth through reliable, customer-centric solutions.

International Presence

Offices/service centers in South-East Asia, South Asia, CIS, Middle East, Europe, Africa and the Americas

China Coverage

21 local service centers nationwide, 22 provinces/municipalities and Hong Kong/Macau/Taiwan covered distribution network

22 domestic stations

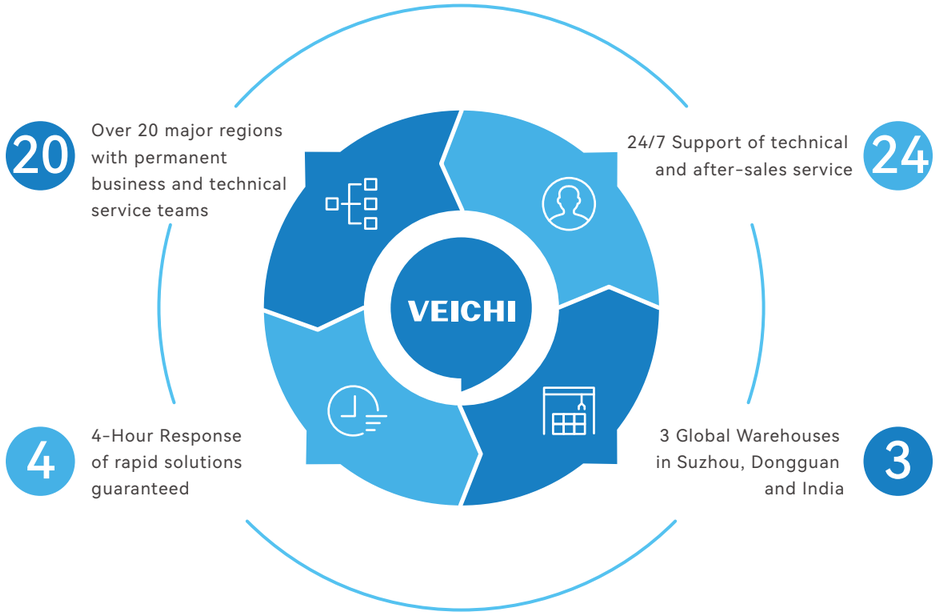
10 overseas offices

300+ dealers

SERVICE & SUPPORT

Innovation Leads, Service Accelerates

Customer-Centric Philosophy – Implementing "Five Hearts" service excellence system
Dual-Channel Support – 24/7 network & telephone platforms with real-time monitoring
Professional Care – Delivering attentive, patient and dedicated service at every touchpoint
Worry-Free Experience – Ensuring customers purchase with complete confidence and satisfaction



Pre-Sales

01
- Tech consultation
- Site survey
- Energy evaluation

In-Sales

02
- Custom solutions
- Installation
- Training

After-Sales

03
- Scheduled visits
- Preventive maintenance & Emergency repair
- Ongoing user competency development

PRODUCT FAMILY

ENERGY CONSERVATION AND ENVIRONMENTAL PROTECTION

Lead to a high-quality green energy lifestyle

MPPT Solar Inverter

SV-4K-S
SV-6K-S

Low Voltage Single Phase Hybrid Inverter

VLS-6K-H1
VLS-8K-H1
VLS-10K-H1
VLS-12K-H1

Low Voltage Three Phase Hybrid Inverter

VLT-10K-H1
VLT-12K-H1
VLT-15K-H1

High Voltage Three Phase Hybrid Inverter

VHT-20K-40-H
VHT-30K-100-H
VHT-50K-100-H

Microgrid Hybrid Inverter

VPS01-0200-GE0A
VPS01-0300-GE0A
VPS01-0500-GE0A
VPS01-0800-GE0A
VPS01-1000-GE0A

Low Voltage Lithium Battery

VCLB-5K-W01
VCLB-10K-W01
VCLB-15K-BC

High Voltage Lithium Battery

VCHB-61.4K-STF

WHOLE-HOUSE GREEN ENERGY SMART SOLUTION

Smart, Flexible, Safe, Stable

High-efficiency PV input

- Supports 1.5x DC oversizing
- Compatible with high current panels

Smart hybrid solar inverter

- 10ms UPS-level seamless switching
- IP65 Protection

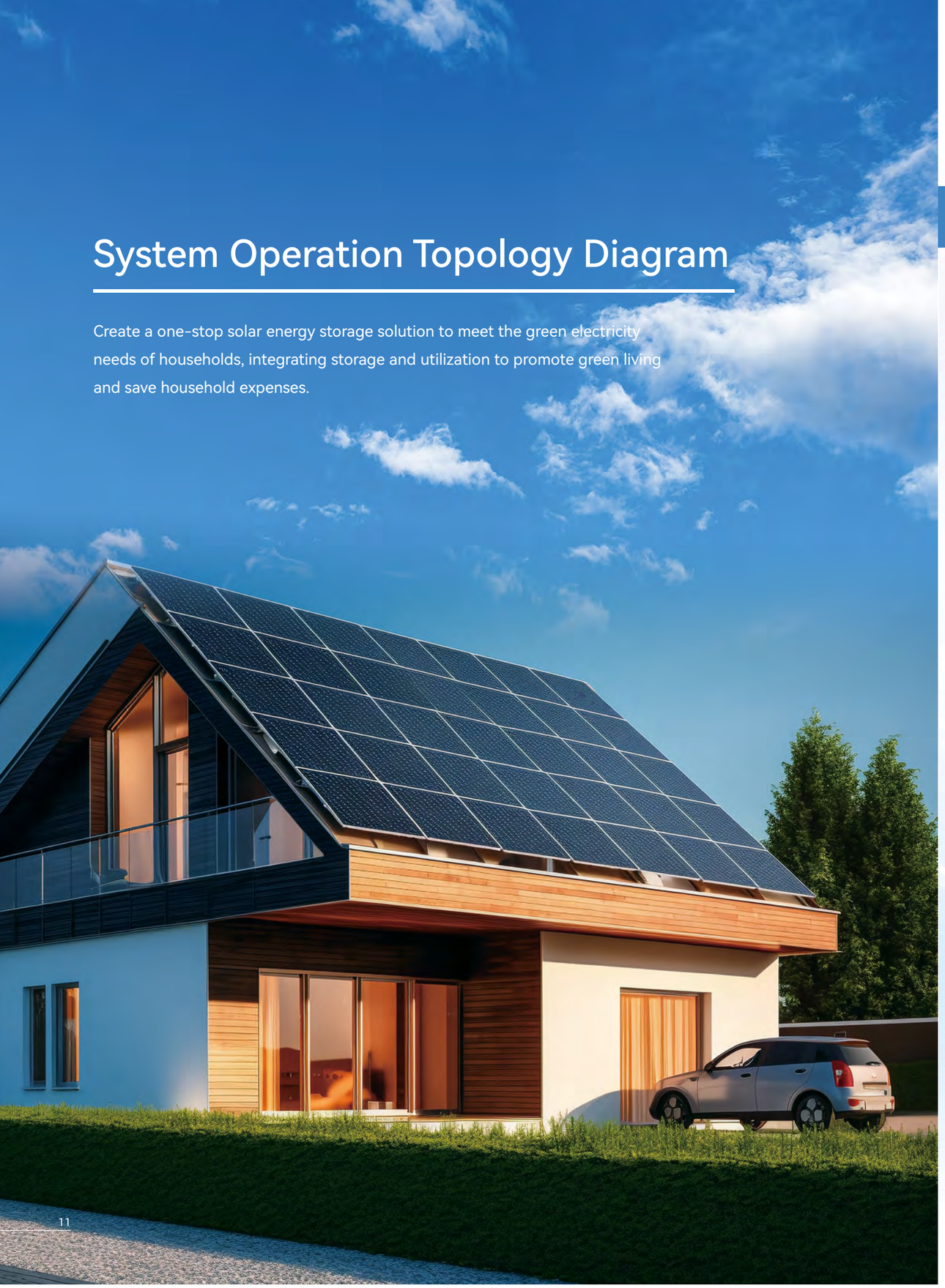
Ultra-life Low voltage lithium battery

- Wall-mounted design saves more space
- Supports parallel expansion

Smart Energy Management/ Remote Monitoring

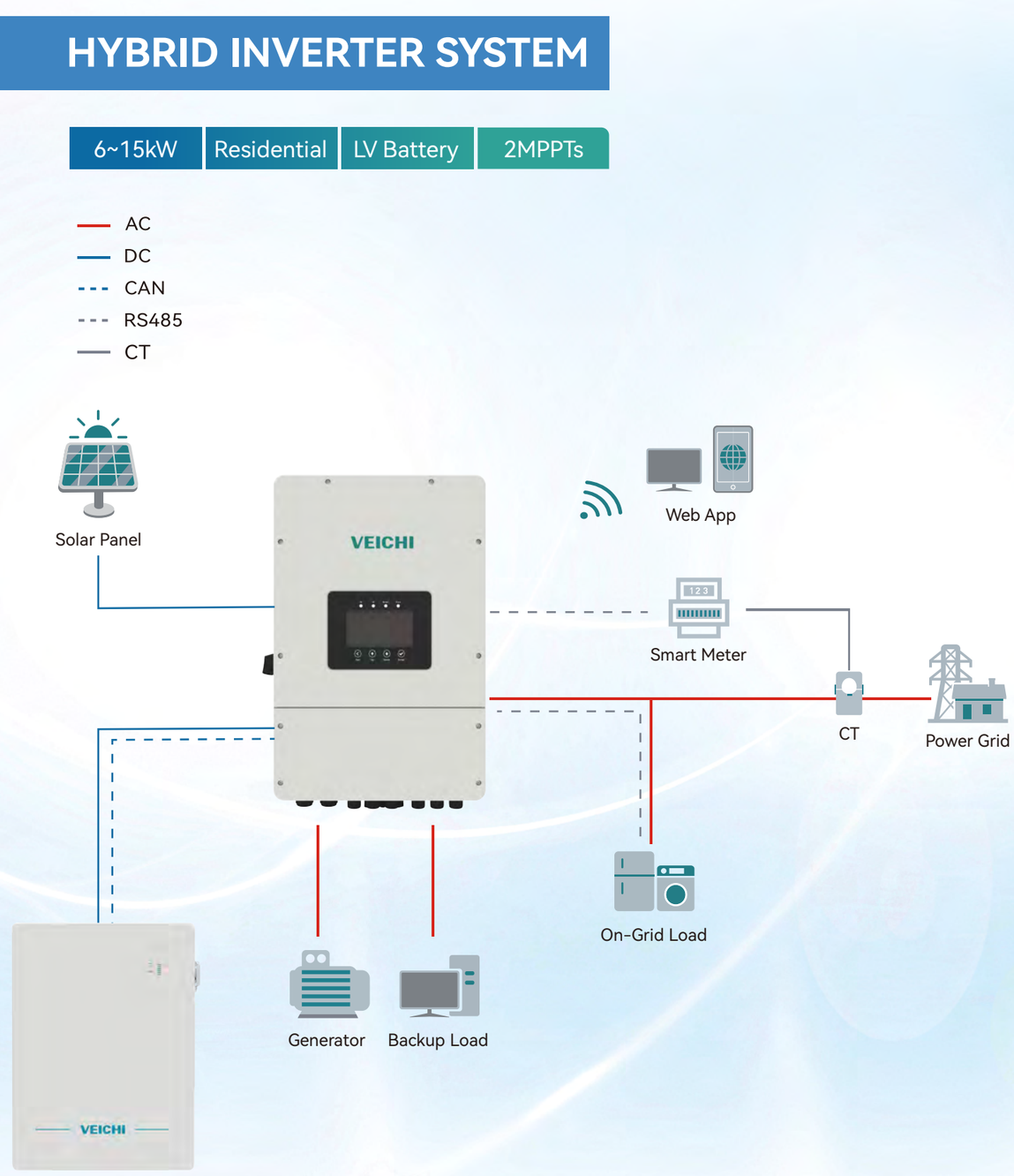
System Operation Topology Diagram

Create a one-stop solar energy storage solution to meet the green electricity needs of households, integrating storage and utilization to promote green living and save household expenses.



HYBRID INVERTER SYSTEM

6~15kW | Residential | LV Battery | 2MPPTs



SV-(4/6)K-S

MPPT Solar Inverter

Product Highlights

- Two-year warranty, generating more power throughout its life cycle
- Supports up to 1.3 times photovoltaic power input
- 10-milli second ultra-fast switching
- Built-in WiFi, connects to the VEICHI cloud platform
- Dual output design, extending critical load usage time
- Built-in diesel generator interface, no ATS required, smarter generator switching

Model	SV-4K-S	SV-6K-S
Input (PV DC)		
Max. PV array power(Wp)	4400	7800
Maximum input power per MPPT	4400	7800
Number of MPPTs	1	1
Number of MPPT input strings	1	1
Rated PV input voltage(V)	500	550
PV input voltage range(V)	60~450	90~500
MPPT voltage range(V)	60~450	90~500
Start-up voltage(V)	90	120
Max. PV input current per MPPT(A)	18	27
Max. PV short-circuit current input per MPPT(A)	23	33
Battery		
Compatible battery type	Lead-acid & Lithium-ion	Lead-acid & Lithium-ion
Communication protocol type	RS485/CAN	RS485/CAN
Rated battery voltage(V)	24	48
Battery voltage range(V)	20~30	42~60
Max. charge(A)	120	120
discharge current(A)	137	137
Active Battery	yes	yes
Grid		
Rated AC voltage(V)	230V AC	230V AC
AC Voltage range	90~280V AC	90~280V AC
Rated AC frequency(Hz)	50/60	50/60
Rated AC output current(A)	18.1	28.2
Rated AC output power(W)	4000	6000
THDv	<3%	<3%
Max. continuous AC passthrough current(A)	25	35
UPS		
Rated output power(W)	4000	6500
Rated output voltage(V)	230	230
Rated output current(A)	18	28.2
Rated output frequency(Hz)	50/60	50/60
Peak power and peak time	2 time peak power，5s	2 time peak power，5s
Switching time(ms)	<10	<10
Wave form	YES	YES
Dual Output	YES	YES
THDi	3%	3%
THDV	3%	3%
Effciency		
Max. MPPT effciency	99%	99%
Peak Efficiency (PV to INV)	94%	94%
Protection & function		
PV Reversed Protection	YES	
Over current/voltage protection	YES	
AC Short-circuit current protection	YES	
Grid monitoring	YES	
AC Surge protection	YES	
DC Surge protection	YES	
Battery reverse polarity protection	YES	
PV reverse polarity protection	YES	
power sales monitoring	YES	
General		
Ingress protection rating	IP20	IP21
Operating environment temperature range(℃)	-10~50	-10~50
Derating temperature(℃)	45	45
Storage temperature range(℃)	-15~60	-15~60
Relative humidity	5%~95%	5%~95%
Display & Communication interface	LED, RS485/Wi-Fi/CAN/USB	LED, RS485/Wi-Fi/CAN/USB
Warranty	2 years	2 years
Cooling method	Multistage speed regulation	Multistage speed regulation
Topology	Transformer-less	Transformer-less
Altitude(m)	<4000	<4000
Noise emission(typical)(dB)	50	50
Parallel Capacity(PCS)	/	9
Dimension (W*H*D)(mm)	390*525*125	
Weight(kg)	10.6	
Standards & Certification		
Certification	IEC 62109-1, IEC 61000, IEC61683	IEC 62109-1, IEC 61000, IEC61683

VLS-(6/8/10/12)K-H1

Low Voltage Single-Phase Hybrid Inverter

Application Scenarios

Platform Capacity Expansion / Urban Households / Villa & Luxury Residence Users / Areas with Unstable Grid Power

Product Highlights

Flexible Adaptability

10-unit parallel, On/Off-grid, Generator input integrated, 28A high current PV input

High Performance

160% PV oversizing, 200% EPS peak power (60s), 220A high-current charge/discharge, 80V low start-up voltage

Safe and Secure

Battery terminal temperature monitoring, IP65 protection, Type II AC/DC SPDs, optional AFCI protection

Efficient Management

Smart load management via cloud platform & LCD screen, UPS-level switchover < 4 ms (single unit)

Model	VLS-6K-H1	VLS-8K-H1	VLS-10K-H1	VLS-12K-H1
PV Input				
Recommended Max.input power(kW)	9.6	12.8	16	19
Start-up voltage(V)	80			
Max.DC input voltage*(V)	500			
Rated DC input voltage(V)	360			
MPPT voltage range*(V)	90 ~ 425			
No.of MPP trackers	2			
No.of DC inputs per MPPT	1 + 1	2 + 2		
Max.input current(A)	18 + 18	28 + 28		
Max.short-circuit current(A)	27 + 27	42 + 42		
Battery Side				
Battery type	Lead acid / Li-ion			
Battery voltage range(V)	40 ~ 60			
Maximum charging/discharge current(A)	135	190	210	220
List of compatible batteries	VEICHI, GreenCN, BYD, Deye, WECO, ect.			
Grid Side				
Rated output power(kW)	6	8	10	12
Max.output apparent power(kVA)	6.6	8.8	11	13.2
Max.input apparent power(kVA)	6.6	8.8	11	13.2
Max.charging power of battery(kW)	6	8	10	12
Rated AC voltage	220 / 230 Vac, L / N / PE			
Rated AC frequency(Hz)	50/60			
Max.output current(A)	28.7	38.3	47.8	57.3
Power factor	-0.8 lagging ~ 0.8 leading			
Max.total harmonic distortion	< 3% (of nominal power)			
Back-up Side				
Rated output power(kW)	6	8	10	12
Max.output current(A)	28.7	38.3	47.8	57.3
UPS switching time(ms)	< 10			
Rated output voltage	220 / 230 Vac, L / N / PE			
Rated output frequency(Hz)	50/60			
Voltage harmonic distortion	< 3% (of nominal power)			
Efficiency				
Max.efficiency(%)	97.6			
European efficiency(%)	96.5			
Protection				
Integration	DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, AC Output Overvoltage Protection AC Output Short Circuit Protection, DC Component Monitoring, Overvoltage Load Drop Protection, Ground Fault Current Monitoring, Arc Fault Circuit Interrupter, Power Network Monitoring, Island Protection Monitoring Earth Fault Detection, DC Input Switch			
Over voltage category	PV:II Main:III			
General Data				
Dimensions [W×H×D(mm)]	411×631×236			
Weight(kg)	28.6		30	31
Protection degree	IP65			
Topology	Transformerless			
Operating Temperature Range(℃)	-25 ~ +60(>45 derating)			
Relative Humidity(%)	5 ~ 95 (condensing)			
Operating Altitude(m)	< 3000			
Cooling	Intelligent Air Cooling			
Noise Level(dB)	<45			
Display	LED+LCD			
Communication	LED + LCD / CAN, RS485, CT, NTC, WiFi / (4G, LAN Optional)			
Safety Certification	IEC 62109, IEC 61000			
Grid Connection Certification	EN 50549-1/10, IEC 61683, IEC 61727, IEC62116			

VLT-(10/12/15)K-H1

Low Voltage Three-Phase Hybrid Inverter

Application Scenarios

Platform Capacity Expansion / Villas & Luxury Residences / Large Self-Built Homes / Small Farms / Integrated Solar-Storage-Charging Compact Charging Stations

Product Highlights

Flexible Adaptability

10-unit parallel, On/Off-grid, Generator input integrated, 30A high current PV input

High Performance

160% PV oversizing, 110% AC output, 200% EPS peak power (10s), 290A high-current charge/discharge, 80V low start-up voltage

Safe and Secure

Battery terminal temperature monitoring, IP65 protection, Type II AC/DC SPDs, optional AFCI protection

Efficient Management

Smart load management via cloud platform & LCD screen, UPS-level switchover < 6 ms (single unit)

Model	VLT-10K-H1	VLT-12K-H1	VLT-15K-H1
PV Input			
Recommended Max.input power(kW)	16	19.2	24
Start-up voltage(V)	160		
Max.DC input voltage(V)	800		
Rated DC input voltage(V)	550		
MPPT voltage range(V)	200 ~ 700		
No.of MPP trackers	2		
No.of DC inputs per MPPT	2 + 2		
Max.input current(A)	30 + 30		
Max.short-circuit current(A)	36 + 36		
Battery Side			
Battery type	Lead-acid or Lithium-ion		
Battery voltage range(V)	40 ~ 60		
Maximum charging/discharge current(A)	220	250	290
List of compatible batteries	VEICHI, GreenCN, BYD, Deye, WECO, ect.		
Grid Side			
Rated output power(kW)	10	12	15
Max.output apparent power(kVA)	11	13.2	16.5
Max.input apparent power(kVA)	11	13.2	16.5
Max.charging power of battery(kW)	10	12	15
Rated AC voltage	220 / 380 , 230 / 400， 3 L / N / PE		
Rated AC frequency(Hz)	50/60		
Max.output current(A)	15.9	19.2	24
Power factor	-0.8 lagging ~ 0.8 leading		
Max.total harmonic distortion	< 3% (of nominal power)		
Back-up Side			
Rated output power(kW)	8	10	12
Max.output current(A)	15.9	19.2	24
UPS switching time(ms)	< 6		
Rated output voltage	220 / 380 , 230 / 400 , 3 L / N / PE		
Rated output frequency(Hz)	50/60		
Voltage harmonic distortion	< 3% (of nominal power)		
Efficiency			
Max.efficiency(%)	97.6		
European efficiency(%)	96.5		
Protection			
Integration	DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, AC Output Overvoltage Protection AC Output Short Circuit Protection, DC Component Monitoring, Overvoltage Load Drop Protection, Ground Fault, Current Monitoring, Arc Fault Circuit Interrupter, Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC Input Switch		
Over voltage category	PV:II Main:III		
General Data			
Dimensions [W×H×D(mm)]	422 × 658 × 254 (Excluding Connectors and Brackets)		
Weight(kg)	45		
Protection degree	IP65		
Topology	Transformerless		
Operating Temperature Range(℃)	-25 ~ +60(>45 derating)		
Relative Humidity(%)	5 ~ 95 (No condensation)		
Operating Altitude(m)	< 3000		
Cooling	Intelligent Air Cooling		
Noise Level(dB)	≤ 55		
Display	LED+LCD		
Communication	RS485/CAN/WIFI / (4G, LAN Optional)		
Safety Certification	IEC 62109, IEC 61000		
Grid Connection Certification	EN 50549-1/10, IEC 61683, IEC 61727, IEC62116		

VHT-10/12K-25-H
VHT-10/12/15/20K-40-H
High Voltage Three-Phase Hybrid Inverter

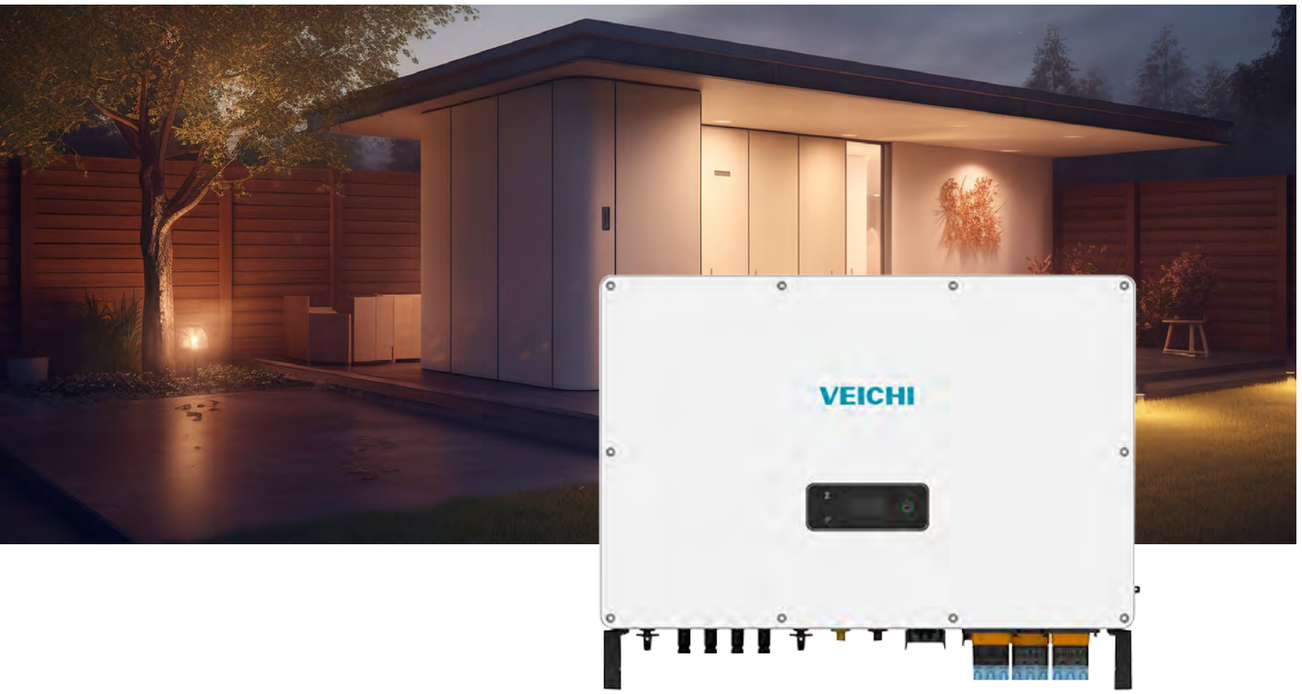
Product Highlights

- 150%DC oversizing boosts solar capture
- Maximum 40A charging and discharging
- Wide 135-750V range fits diverse batteries
- 10ms up S-level switch secures supply
- 200% max backup @10s handles overloads
- IP65 protects both indoors and outdoors
  Silent 25dB operation for comfort

Model	VHT-10K-25-H	VHT-12K-25-H	VHT-10K-40-H	VHT-12K-40-H	VHT-15K-40-H	VHT-20K-40-H
PV Input						
Recommended Max.input power(kW)	15	18	15	18	22.5	30
Start-up voltage(V)	135					
Max.DC input voltage*(V)	1000					
Rated DC input voltage(V)	620					
MPPT voltage range*(V)	200 ~950					
No.of MPP trackers	2					
No.of DC inputs per MPPT	1 + 1		2 + 2			
Max.input current(A)	15/15		30 /30			
Max.short-circuit current(A)	20/20		40/40			
Battery Side						
Battery type	Lithium Battery					
Battery voltage range(V)	135 ~750					
Maximum charging/discharge current(A)	25		40			
List of compatible batteries	VEICHI, Deye, Goodwe, Must, SRNE, Felicity, etc. For more details, please visit veichi.com					
Grid Side						
Rated output power(kW)	10	12	10	12	15	20
Max.output apparent power(kVA)	11	13.2	11	13.2	16.5	22
Max.input apparent power(kVA)	16.5	16.5	20	24	30	30
Max.charging power of battery(kW)	10	12	10	12	15	20
Rated AC voltage	220/380, 230/400, 240/415					
Rated AC frequency(Hz)	50/60					
Max.output current(A)	16.5	20	16.5	20	25	33.5
Power factor	-0.8 lagging ~ 0.8 leading					
Max.total harmonic distortion	< 3%					
Back-up Side						
Rated output power(kW)	10	12	10	12	15	20
Max.output apparent power(kVA)	11	13.2	11	13.2	16.5	22
Max.output current(A)	16.5	20	16.5	20	25	33.5
UPS switching time(ms)	< 10					
Rated output voltage	3L/N/PE; 220/380V; 230/400V; 240/415V					
Rated output frequency(Hz)	50/60					
Voltage harmonic distortion	< 3%					
Efficiency						
Max.efficiency(%)	98.2		98.4			
European efficiency(%)	97.4		97.5			
Protection						
Integration	DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, AC Output Overvoltage Protection AC Output Short Circuit Protection, DC Component Monitoring, Overvoltage Load Drop Protection, Ground Fault, Current Monitoring, Arc Fault Circuit Interrupter, Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC Input Switch					
Over voltage category	PV:II Main:III					
General Data						
Dimensions [W×H×D(mm)]	534 × 418 × 210					
Weight(kg)	26		28		31	
Protection degree	IP65					
Standby self-consumption	< 15					
Topology	Transformerless					
Operating Temperature Range(℃)	-35 ~ +60					
Relative Humidity(%)	0 ~ 100					
Operating Altitude(m)	3000 (>3000m derating)					
Cooling	Natural Convection		Smart fan			
Noise Level(dB)	<25		<40			
Display	LED+LCD					
Communication	RS485/CAN/WIFI /LAN					

VHT-(30/50)K-100-H

High Voltage Three-Phase Hybrid Inverter



Product Highlights

- 110% unbalanced output enhances self-consunption
- 100A charging/discharging for efficiency energy transfer
- Continuous 110% AC overloading sustains power
- Starts at 135V for more generation time
- Max.10 pcs parallel for on-grid operation and max.4 pcs parallel for off grid operation
- 120% max backup @60s handles overloads
- IP65 protects both indoors and outdoors
- Supports diesel generators for diverse energy sourcing

Model	VHT-30K-100-H	VHT-50K-100-H
PV Input		
Recommended Max.input power(kW)	45	75
Start-up voltage(V)	135	
Max.DC input voltage*(V)	1000	
Rated DC input voltage(V)	620	
MPPT voltage range*(V)	200 ~850	
No.of MPP trackers	4	
No.of DC inputs per MPPT	2 + 2+2+2	
Max.input current(A)	30×4	
Max.short-circuit current(A)	40×4	
Battery Side		
Battery type	Lithium Battery	
Battery voltage range(V)	135 ~750	
Maximum charging/discharge current(A)	100	
List of compatible batteries	VEICHI, Deye, Must, SRNE, Felicity, etc. For more details, please visit veichi.com	
Grid Side		
Rated output power(kW)	30	50
Max.output apparent power(kVA)	33	55
Max.input apparent power(kVA)	36	60
Max.charging power of battery(kW)	30	50
Rated AC voltage	220/380, 230/400, 240/415	
Rated AC frequency(Hz)	50/60	
Max.output current(A)	50	83
Power factor	-0.8 lagging ~ 0.8 leading	
Max.total harmonic distortion	< 3%	
Back-up Side		
Rated output power(kW)	30	50
Max.output apparent power(kVA)	33	55
Max.output current(A)	50	83
UPS switching time(ms)	< 20	
Rated output voltage	3L/N/PE; 220/380V; 230/400V; 240/415V	
Rated output frequency(Hz)	50/60	
Voltage harmonic distortion	< 3%	
Efficiency		
Max.efficiency(%)	98.8	
European efficiency(%)	98.3	
Protection		
Integration	DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, AC Output Overvoltage Protection AC Output Short Circuit Protection, DC Component Monitoring, Overvoltage Load Drop Protection, Ground Fault, Current Monitoring, Arc Fault Circuit Interrupter, Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC Input Switch	
Over voltage category	PV:II Main:III	
General Data		
Dimensions [W×H×D(mm)]	800× 620 × 300	
Weight(kg)	72	
Protection degree	IP65	
Standby self-consumption	< 15	
Topology	Transformerless	
Operating Temperature Range(℃)	-30 ~ +60	
Relative Humidity(%)	0 ~ 100	
Operating Altitude(m)	3000 (>3000m derating)	
Cooling	Smart fan	
Noise Level(dB)	<50	
Display	CAN, RS485, WiFi/LAN	
Communication	USB/RS232/RS485/WIFI/CAN	

VPS01 Series

Hybrid Microgrid Inverter

Product Highlights

Load Adaptability and Operating Modes

- 100% three-phase unbalanced load capacity for stable operation under complex conditions
- Intelligent load rate regulation for optimized diesel generator load distribution and enhanced fuel efficiency
- Multi-mode operation (VF/PQ/VSG/constant bus) with multi-unit parallel compatibility
- On/off-grid/emergency power support with high/low voltage ride-through and black start

Control and Protection Capacity

- Customizable control strategies for scenario-specific performance
- ARM+FPGA dual-core architecture for high-speed, precision control with superior dynamic response
- Multi-layer current protection: drive protection against hardware overcurrent, CBC, overload, and overcurrent for various industrial needs
- Grid-tied charging/discharging and off-grid standalone inverter functions available

Integrated and Scalable Design

- Seamless switching between PV-MPPT, isolation transformer integrated in a compact design for unified maintenance
- Flexible PV expansion support for adaptable system scalability

Intelligent O&M Management

- Remote monitoring and OTA upgrades for reduced on-site maintenance and higher efficiency

Model	VPS01-0200-GE0A	VPS01-0300-GE0A	VPS01-0500-GE0A	VPS01-0800-GE0A	VPS01-1000-GE0A
AC (Grid-Connected)					
Maximum output power (kW)	220	330	550	880	1100
Rated power (kW)	200	300	500	800	1000
Rated voltage (V)	400	400	400	400	400
Rated current (A)	289	433	722	1155	1444
Voltage range (V)	340~460				
Rated frequency (Hz)	50/60				
Frequency range(Hz)	45~55/55~65				
THDI	< 3% (Linear balanced load)				
Power Factor	1.0 (0.8 leading~0.8 lagging configurable)				
AC connection	Three-phase four-wire + Ground (3W+N+PE)				
AC Power(off-grid)					
Max. output power (kW)	220	330	550	880	1100
Rated power (kW)	200	300	500	800	1000
Rated voltage (V)	400	400	400	400	400
Rated current (A)	289	433	722	1155	1444
THDU	<3% (Linear balanced load)				
Rated frequency (Hz)	50/60				
Overload capacity	110% for non-stop operation				
PV Input					
Max. PV voltage (V)	900				
Max. PV power	120kW per MPPT	120kW per MPPT	120kW per MPPT	120kW per MPPT	120kW per MPPT
PV input channel	1	1	1	1	1
MPPT qty	2	3	5/6	8/9/10	10/11/12
Isc(A)	240				
Max. discharge current(A)	200				
MPPT voltage range (V)	250~850				
Battery					
Max. charge power (kW)	240	360	600/720	960/1080/1200	1200/1320/1440
Battery voltage range (V)	630~900				
System Configuration					
Dimension[W/D/H](mm)	1350*900*2082	1450*900*2082	643*728*2082+ 2000*1100*2082	(643*728*2082)*2+ 2754*1303*2184	(643+728+2082)*2+ 3000*1303*2184
Net(kg)	1350	1830	353+2656	320*2+3900	353*2+4500
Environment temperature	-10℃~50℃; (Derate by 1% for every 1℃ rise when above 40℃, 50℃ max)				
Relative humidity	0% ~ 95%, no condensation				
Protection level	IP21				
Noise(dB)	<70				
Altitude(m)	4000 max (Derate by 1% for every 100m increase when above 1000m)				
Standby power consumption	<0.5% of rated power				
Cooling	Air cooling				
Display and Communication					
Display	LCD touch screen				
BMS communication	RS485, CAN				
Local communication	RS485, TCP/IP				

VCLB-5K-W01
VCLB-10K-W01
Low-Voltage Lithium Battery

Product Highlights

Flexible Expansion
Up to 20 units in parallel,
5.12kWh--204.8kWh capacity

Certificates
UN38.3, MSDS, CE, EMC

Long-term Reliability
LFP battery, 6000+ charge/discharge cycles,
SOH no less than 80%; 5-year warranty,
10-year warranty optional

Easy Installation
Wall-mounted or floor-standing installation,
aesthetically pleasing and space-saving

Convenient Control
Touchscreen displaying all battery information;
quick switching communication protocols

Safety
Built-in aerosol fire suppression system;
IP65 ingress protection

Model	VCLB-5K-W01	VCLB-10K-W01
General Specification		
Nominal voltage(V)	51.2	
Rated capacity(Ah)	100	200
Energy(Wh)	5120	10240
Battery impedance(mΩ)	≤50	
Charging cut-off voltage(V)	57.6	
Discharge cut-off voltage(V)	45.6	
Recommend charge current	0.5C 50A	0.5C 100A
Scalable	Up to 20 units	
Max charge current(A)	100	200
Max continue discharge current	100A,-20℃~60℃,≤65+20%RH	200A,-20℃~60℃,≤65+20%RH
Operating temperature range(℃)	-20~60	
Storage environment(50%state of harge)	20℃~45℃in three months;25±3℃overthree months; Humidity: ≤65±20%RH	
Environment	Indoor	
Installation	Wall mounted/Floor stand	
Cell technology	Lithium-iron phosphate(LiFeP04)	
Life cycle	6000 times @80%DOD	
Cooling	Natural convection	
Protection rating	IP65	
Certificates	IEC62619, UN38.3, MSDS, CE	
Dimension and Weight		
Dimension[W/D/H(mm)]	520×470×141.5	800×590×142
Battery net weight(Approx.)(kg)	47.2	96.5
Compatibility list	VEICHI, Deye, Growatt, Goodwe, Solis ,ect.	

VCLB-15-BC

Low-Voltage Lithium Battery

Product Highlights

Flexible Expansion

Up to 20 units in parallel,
14.3kWh--286kWh capacity

Certificates

UN38.3,MSDS,CE,EMC

Long-term Reliability

LFP battery, 6000+ charge/discharge cycles,
SOH no less than 80%; 5-year
warranty, 10-year warranty optional

Easy Installation

Wall-mounted or floor-standing installation,
aesthetically pleasing and space-saving

Convenient Control

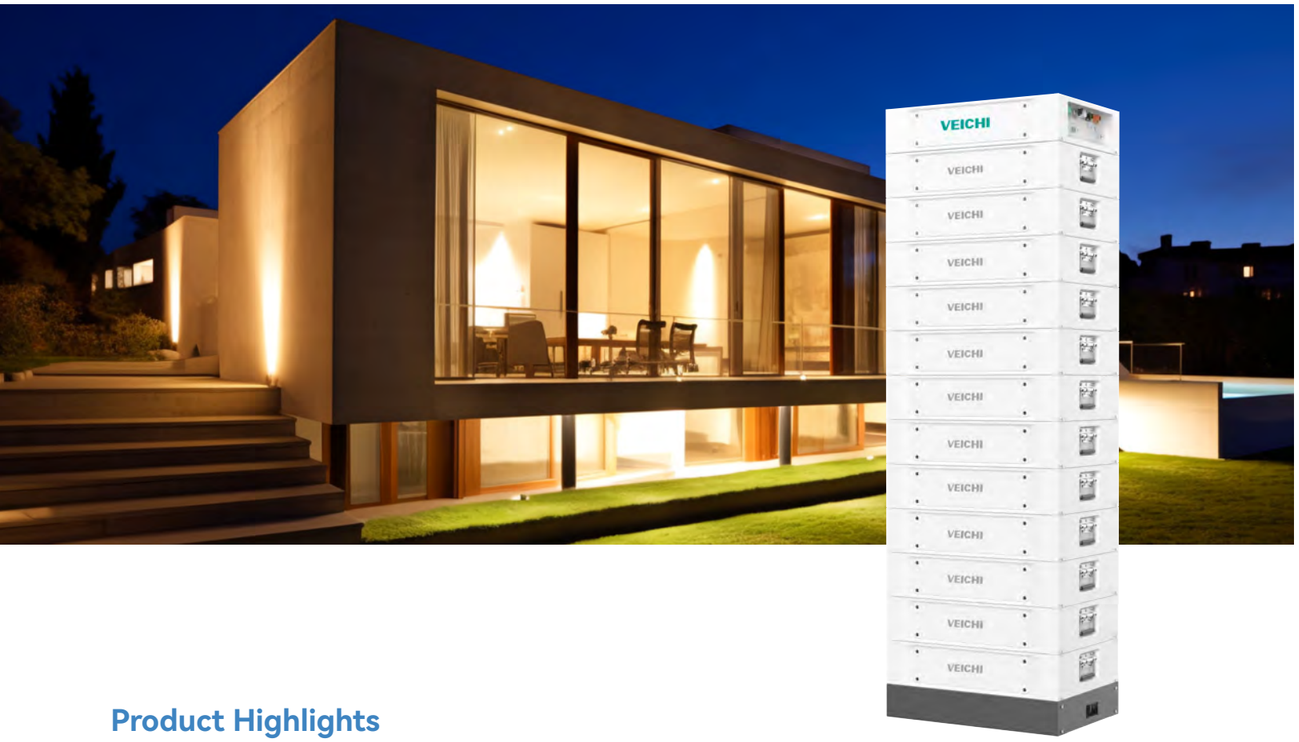
Touchscreen displaying all battery information;
quick switching communication protocols

Safety

Built-in aerosol fire suppression system;
IP65 ingress protection

Model	VCLB-15-BC
General Specification	
Nominal voltage(V)	51.2
Rated capacity(Ah)	280
Energy(Wh)	14,336
Battery impedance(mΩ)	≤20
Charging cut-off voltage(V)	57.6
Discharge cut-off voltage(V)	45.6
Recommend charge current	0.5C 140A
Scalable	Up to 20 units
Max charge current(A)	200A
Max continue discharge current	200A, -20℃~60℃, 65+20%RH
Operating temperature range(℃)	-20~60
Storage environment(50%state of harge)	20℃~45℃ in three months;25±3℃overthree months; Humidity: ≤65±20%RH
Environment	Indoor
Installation	Wall mounted/Floor stand
Cell technology	Lithium-iron phosphate(LiFeP04)
Life cycle	8000 times @80%DOD
Cooling	Natural convection
Protection rating	IP65
Certificates	UN38.3, MSDS, TCAR, CB, CEI 0-21
Dimension and Weight	
Dimension[W/D/H](mm)	800×500×227
Battery net weight(Approx.)(kg)	133.58
Compatibility list	VEICHI, Deye, Growatt, Goodwe, Solis, ect.

VCHB-61.4K-STF



Product Highlights

Flexible Expansion

Up to 12 clusters in parallel, with a capacity of 15kWh~737kWh
Wiring-free rackless stacking with plug-AND-play design enables SINGLE-cluster installation in 30 min

Universal Compatibility

Suitable for grid frequency regulation, charging stations, and other scenarios, enabling cost savings

Transport

Rackless design reduces transport space by 50%+ and shipping costs by 50%

Cooling System

Built-in air duct design enables faster cooling and minimizes foreign object intrusion

Safety

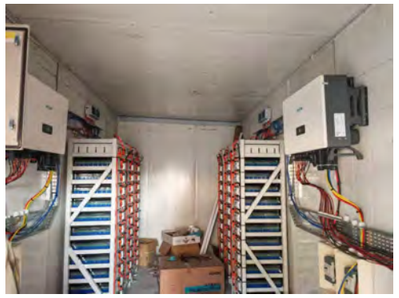
Intelligent fire extinguishing system detects and extinguishes fires within 5s

Model	VCHB-61.4K-STF							
General Specification								
Capacity(Ah)	153.6V100Ah	153.6V100Ah	358.4V100Ah	409.6V100Ah	460.8V100Ah	512V100Ah	563.2V100Ah	614.3V100Ah
Number of layers	3	6	7	8	9	10	11	12
Energy(kWh)	15.36	30.72	35.84	40.96	46.08	51.2	56.32	61.44
Operating voltage range(V)	133.8~1728	267.6~345.6	312.2~403.2	356.8~460.8	401.4~518.4	446~576	492.8~633.6	537.6~691.2
Dimension(L*W*H)(mm)	590×390×632	590×390×1031	590×390×1164	590×390×1297	590×390×1430	590×390×1563	590×390×1696	590×390×1829
Weight(kg)	163	304	351	398	445	492	539	586
Recommend charge current(A)	50							
Max continue charge current(A)	100							
Max continue discharge current(A)	100							
Peakcurrent	125A(1.25C)							
Display	HMI							
Communication	Support RS485/CAN							
Maximum parallel support	12 clusters(3 to 12 units per cluster)							
Charging temperature(℃)	0~55							
Discharge temperature(℃)	-20~55							
Environment	Indoor							
Relative humidity(%)	5~95							
Cooling	Natural Convection							
Celltechnology	Lithium-ironphosphate(LiFeP04)							
Protection rating	IP21							
Lifecycle	6000 times@80% DOD							
Certificates	CB,IEC62619,CE-EMC,CE-GPSD,En62040,UN38.3,MSDS							
BDU Technical Specification								
Maximum voltage(V)	900							
Maximum charge/discharge current(A)	100							
Dimensions(mm)	590×390×133							
Weight(kg)	26							
Pack Technical Specification								
Cut-off voltage(V)	57.6							
Maximum charge/discharge current(A)	100							
Dimensions(mm)	590×390×233							
Weight(kg)	47							

APPLICATION

Saudi C&I project

Application occasions(Required): Food Factory
Location(Required): Saudi Arabia
PV system (Optional): 620W Topcon 150kW
Storage capacity (Optional): 300kWh
Inverter model (Required): 2 pcs* 50KW-Hybrid inverter




Thailand C&I project

Application occasions(Required): Office
Location(Required): Thailand
PV system (Optional): 620w Topcon 60KW
Storage capacity (Optional): 56kWh
Inverter model (Required): 1 pcs* 50kW-Hybrid inverter

Syria Food refrigeration storage room project

Application occasions(Required): Food refrigeration storage room
Location(Required): Syria
Storage capacity (Optional): 100KW+102kWh
Inverter model (Required): 2*50KW VHT+2*51kwh Lithium battery

Syria Asmai hospital project

Application occasions(Required): Asmai hospital
Location(Required): Syria
Storage capacity (Optional): 100kW+30kWh
Inverter model (Required): 2*50kW VHT+1*30kWh Lithium battery

Hochimin, Vietnam

Application occasions(Required): Home use
Storage capacity (Optional): 5kWh
Inverter model (Required): VHS-5K-L01-K*1pcs
Battery model (Required): VEICHI VCLB-5K-D01, Lithium ion battery 5.12KWH 1pcs

Thailand

Application occasions(Required): Company
PV system (Optional): VEICHI ,VCS-132H-700-D
Storage capacity (Optional): 7.2kWh
Inverter model (Required): VHT-20K-40-H*1pcs
Battery model (Required): VEICHI ,56KWH lithium ion battery


Residential solar project in Lagos, Nigeria

Application occasions(Required): Home use
Location(Required): Lagos, Nigeria
PV system (Optional): 4.4kW
Storage capacity (Optional): 10kWh
Inverter model (Required): SV-6K-S*1pcs
Battery model (Required):SMS 51.2V 10kWh Lithium Battery

Residential solar project in Lagos, Nigeria

Application occasions(Required): Home use
Location(Required): Lagos, Nigeria
PV system (Optional): 4.4kW
Storage capacity (Optional): 5kWh
Inverter model (Required): SV-6K-S*1pcs
Battery model (Required):BICODI BD048100P05 51.2V 100Ah lithium battery

Residential solar project in Lagos, Nigeria

Application occasions(Required): Home use
Location(Required): Lagos, Nigeria
PV system (Optional): 3.3kW
Storage capacity (Optional): 5kWh
Inverter model (Required): SV-6K-S*1pcs
Battery model (Required):VEICHI VCLB-5K-W01 51.2V 100Ah lithium battery

Case sharing- Off-Grid BESS

High energy efficiency, superior operational performance, and high reliability make it suitable as an emergency power source for ports.

A Seaport in Hong Kong

A Port in Nanjing

A Seaport in Qingdao

A Seaport in Pakistan

A Seaport in Indonesia