



VISTA ENERGY GROUP

PRODUCT CATALOG

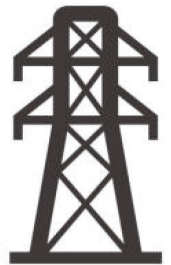
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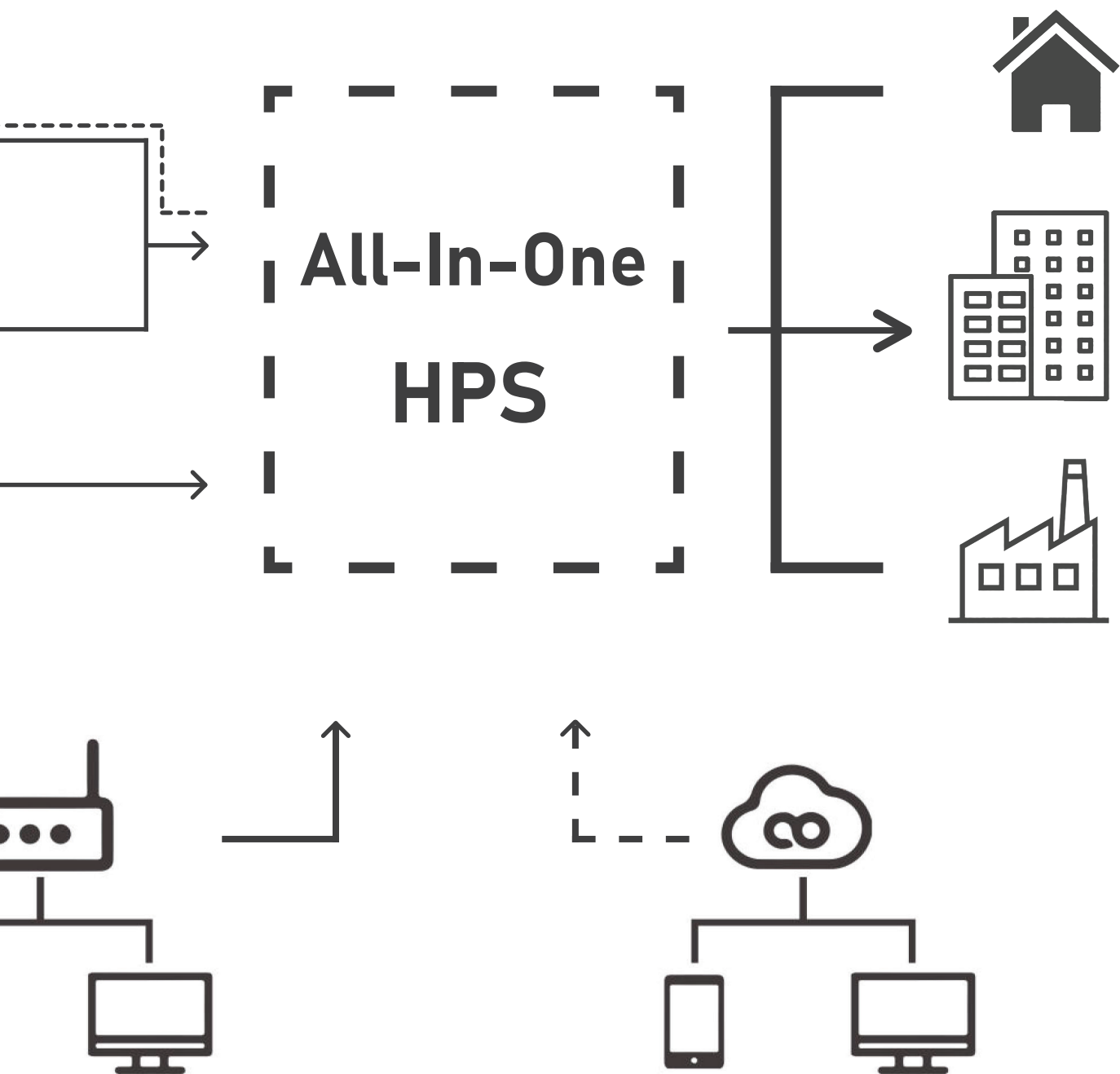
HYBRID POWER SYSTEM

Suitable for demand of houses, offices
Small and big Factories, Shopping Malls,
and Storage Stations

Product Characteristics

- Integrated hybrid inverter, PC charger, and long life LiFePo4-GF battery
- Programmable power supply for PV, grid, or battery
- Variable power and capacity ranging from 3kW/3kWh to high voltage 10MW/10MWh
- Easy installation and maintenance
- Real-time data monitoring and adjustment via WIFI and Bluetooth remote app
- Multiple safety and fault protection settings plus BMS
- Customizable based on customer application and order





RESIDENTIAL HYBRID POWER SYSTEM

Suitable for demand of houses and
offices 3kW/3kWh to 20kW/20kWh





Wall-Mounted HPS VE3000 & VE5000



FEATURES

- Integrated Battery and Hybrid Inverter
- High-density cells are lightweight yet high-capacity
- Supports various communication protocols
- Cycle life up to 3000 cycles
- Intelligent battery management system
- Outstanding safety features

Technical Parameters

Item	Model	VE3000Y	VE5000Y
Battery Module	Voltage	25.6V	51.2V
	Battery capacity	100Ah	
	Charge voltage	29V	58V
	Discharge cut - off voltage	20V	42V
	Charge current	50A	
	Max charge current	120A	100A
	Discharge current	120A	100A
	Max discharge current	150A	100A
	Max peak current	100A	200A
	Communication method	RS485/CAN	
Hybrid Inverter	Power	3KW	5KW
	Output Voltage	230VAC	
	Frequency	50Hz/60Hz	
	input power (PV)	3KW	5KW
	Input voltage range (PV)	30-400VDC	120-430VDC
	Communication connect port	/	WiFi (optional)
Parameter	Protection Degree	IP21	
	Material/Colour	Metal/White	
	Size	450*150*600mm	500*170*720mm
	Weight	29Kg	56Kg
	Temperature	Charge: 0N-50N Discharge: -15N-60N	

Stackable HPS VE5k-100A



FEATURES

- Integrated Battery and Hybrid Inverter
- Modular design for easy installation.
- The LED screen displays real-time device parameters.
- Cycle life of up to 6000 cycles
- An intelligent battery management system.



Technical Parameters

Model	VE5k-100A			
Battery Type	LiFePO4@GF		LiFePO4@GF	
Nominal Capacity	100Ah		100Ah	
Rated Battery Voltage	48V		51.2V	
Operating Voltage Range	36.8~55.2V		40~58.4V	
Max. Charging Current	100A		100A	
Max. Discharge Current	100A		100A	
Max. Stack Quantity	4		4	
Operating Temperature Range	Charge:0~60°C & 32~140°F		Discharge:-20~60°C & -4~140°F	
Operating RH	0-95% RH			
Working Altitude	<3000m			
Assembly Method	Stack			
Net Weight	≈48.7kg (1 Pack)	≈20kg (Inverter)	≈51kg (1 Pack)	≈20kg (Inverter)
Size(L*W*H)	640*422*194mm (Pack)		640*422*194mm(inverter)	
PV Input				
Num. of MPPT Trackers	1			
Max. PV Array Power	5200W			
Max. Input Current	18A			
Max. Voltage of Open Circuit	500Vdc			
MPPT Voltage Range	120~450Vdc			
MPPT Tracking Efficiency	99.9%			
Inverter Output				
Rated Output Power	5,000W			
Max. Peak Power	10,000W			
Rated Output Voltage	120Vac(Single-Phase L+N+PE)			
Max. Battery Inverter Efficiency	>90%			
Load Capacity of Motors	4HP			
Rated AC Frequency	50/60Hz			
Waveform	Pure sine wave			

Stackable HPS VE5k-100B



FEATURES

- Integrated Battery and Hybrid Inverter
- Modular design for easy installation.
- The LED screen displays real-time device parameters.
- Cycle life of up to 6000 cycles
- An intelligent battery management system.



Technical Parameters

Model

VE5k-100B

Battery Type	LiFePO4@GF	
Nominal Capacity	100Ah	
Rated Battery Voltage	48V	
Operating Voltage Range	36.8~55.2V	
Max. Charging Current	100A	
Max. Discharge Current	100A	
Max. Stack Quantity	4	
Operating Temperature Range	Charge:0~60°C & 32~140°F Discharge:-20~60°C & -4~140°F	
Operating RH	0-95% RH	
Working Altitude	<3000m	
Assembly Method	Stack	
Net Weight	≈48.7kg (1 Pack) ≈20kg (Inverter)	≈51kg (1 Pack) ≈20kg (Inverter)
Size(L*W*H)	570*400*267mm (Pack)	580*400*185mm(inverter)

PV Input

Num. of MPPT Trackers	1
Max. PV Array Power	5200W
Max. Input Current	18A
Max. Voltage of Open Circuit	500Vdc
MPPT Voltage Range	120~450Vdc
MPPT Tracking Efficiency	99.9%

Inverter Output

Rated Output Power	5,000W
Max. Peak Power	10,000W
Rated Output Voltage	120Vac(Single-Phase L+N+PE)
Max. Battery Inverter Efficiency	>90%
Load Capacity of Motors	4HP
Rated AC Frequency	50/60Hz
Waveform	Pure sine wave
Certification	UN38.3, IEC62619, CE(EMC & LVD), RoHs

Stackable HPS VE10k-200B

FEATURES

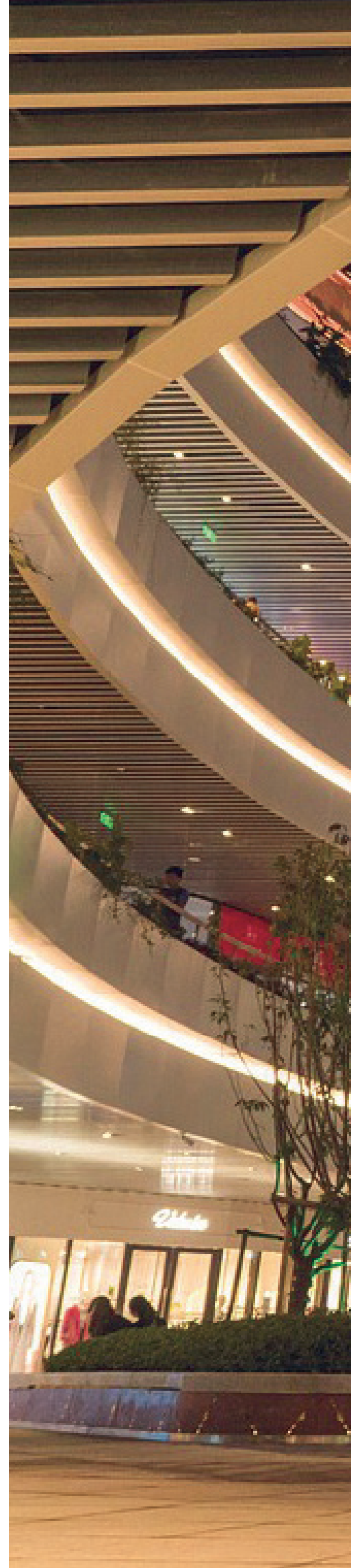
- Integrated Battery and Hybrid Inverter
- Modular design for easy installation.
- The LED screen displays real-time device parameters.
- Cycle life of up to 6000 cycles
- An intelligent battery management system.



Battery Type	LiFePO4@GF
Battery Cycle Life at DOD 70%	6000 Times
Nominal Capacity	200A
Rated Battery Voltage	51.2Vdc
Operating Voltage Range	40-60Vdc
Max. Charging/Hybrid Charging Current	120A/200A
Max. Discharging Current	200A
Max. Stack Quantity	4
Operating Temperature Range	Charge: 0-60 C / Discharge -20-60 C
Operating RH	0-95% RH
Working Altitude	≤3000 M
Assembly Method	Stack
Net Weight	≈57kg (1 pack battery) / ≈30kg (inverter)
Size(L*W*H)	600*420*241mm(1 pack) / 600*253*420mm (inverter)
PV Input	
Num. of MPPT Trackers	2
Max. PV Array Power	5,500W + 5,500W
Max. Input Current	22A + 22A
Max. Voltage of Open Circuit	500Vdc + 500Vdc
MPPT Voltage Range	125 -425Vdc
MPPT Tracking Efficiency	99.9%
Inverter Input	
Rated Output Power	10,000W
Max. Peak Power	20,000W
Rated Output Voltage	120/240Vdc
Max. Battery Inverter Efficiency	≥90%
Load Capacity of Motors	6HP
Rated AC Frequency	50/60Hz
Waveform	Pure Sine Wave
Switching Time	10ms
Noise	≤60dB
Safety	IEC62109-1, IEC62109-2, UL1741
EMS	EN61000-6-1, EN61000-6-3, FCC15 CLASS B
RoHS	YES
Protection Class	IP20 Indoor Use Only

COMMERCIAL HYBRID POWER SYSTEM

Suitable for demand of houses and
offices 20kw/20kwh – 10mw/10mwh





Commercial HPS

VE60kW/60kWh



MODEL

VE60kW/60kWh

Battery

Battery Type	LiFePO4
Rated Energy	60 kWh
Nominal Voltage	512 V
Rated Capacity	200 Ah
Standard Charge Current	75 A
Max. Charge Current	125 V
Max. Discharge Current	150 A
Cooling Method	Air conditioner

PV

Max. Power	66 kW
Max. PV Voltage	850 Vdc
MPPT Voltage Range	200-820 Vdc
Max. PV Current	30 + 30 + 30 + 30 A
Quantity of MPPT Channel	4

AC (On-grid)

Rated Power	60 kW
THD	<3%
AC Voltage	400 Vdc
AC Model	L1/L2/L3/N/PE
Rated Frequency	50/60 Hz

AC (Off-grid)

Rated Power	60 kW
AC Voltage	400 Vac
AC Voltage Range	320-460 Vac
AC Model	L1/L2/L3/N/PE
Rated Frequency	50/60 Hz
Max. AC Current	72 A
Switching Time	<20 ms

General Parameters

Communication type	RS485/WiFi
IP Grade	IP54
Fire Protection System	Aerosol
Operating Temperature	-10~55 °C
Storage Temperature	25~60 °C
Humidity Range	5~95%
Altitude	<3000 m
PCS Cooling Method	Intelligent air cooling
Dimensions	1100 mm × 950 mm × 1450 mm
Weight	~500 kg

Commercial HPS

VE100kW/215kWh



MODEL

VE100kW/215kWh

Battery parameters		
Cell type	LFP280Ah	
Battery Pack configuration	14.336 kWh/1P16S	
Battery system configuration	215 kWh/1P240S	
Battery voltage range	672~864 V	
Temperature measurement quantity	90	
ACparameter		
Rated AC power	100 kW	
Maximum AC power	110 kW	
Rated voltage	400 V	
Rated current	144 A	
Rated frequency	50/60 Hz	
DC current component	0.5%I _{pn}	
AC current distortion rate	3%	
Power factor	-1~+1	
Overload capacity	110% long term	
Alternating current system	Three-phase four-wire + ground wire (3W+N+PE)	
Isolation transformer	Yes	
Photovoltaicparameter		
Maximum photovoltaic input voltage	1000 V	
Maximum photovoltaic power	120 kW	
MPPT voltage range	250-850 VDC	
MPPT voltage range @full load	450-850 VDC	
Common parameters		
	Outdoor battery cabinet	Hybrid inverter outdoor cabinet
Protection class	IP55	IP54
Fire protection system	Perfluorohexone+aerosol	--
Operating temperature range	-30℃ to55 ℃	-30℃ to55 ℃
Cooling mode	Airconditioningcooling	Intelligent air cooling
Size W*D*H (mm)	1200 * 1100 * 2280	1500 * 1100 * 2280
Weight (kg)	2600	1500
Communication mode	CAN, RS485	RS485, TCP/IP
Display	Touch LCD display	Touch LCD display
Relative humidity	5~95%RH, no condensation	5~95%RH, no condensation
Highest altitude	4500m (> 3000 derating required)	4500m (>3000 derating required)
Noise	< 70 dB	70 dB

Customizable HPS

Hybrid inverter 100 kW – 3MW

Storage System 100 kWh – 3MWh



206 kWh Battery Cabinet



Control Cabinet



PCS

Max. Number of Racks in Parallel	12
PCS Specifications	500 kW
Rated AC Power	500 kVA / kW
Rated Grid Voltage	400 Vac
Total Harmonic Distortion	<3%
Rated Grid Frequency (Range)	50 Hz / 60 Hz
Peak Efficiency	98%
Power Factor	-1 to 1 , continuously adjustable
ENERGY STORAGE	
Rated Energy DC	206.9 kWh*N
Voltage Range (Nominal Voltage)	646.8Vdc ~ 831.6Vdc (739.3 Vdc)
Chemistry	LFP
ENVIRONMENTAL	
Operating Temperature Range / Humidity Range	-20~50 °C (PCS derating at 45 to 55 °C)/ 0 to 95% RH non-condensing
Altitudes	<4000 m (derating >2000 m)
IP Ratings	Battery System IP54 , PCS IP54 , Control Cabinet IP54 , DC Combiner IP54
FEATURES	
Battery Monitoring System	YES - Capable through SES monitoring system
Fire Suppression System	Pre-integrated Fire Suppression System with smoke and heat detectors plus aerosols or NVAC1230
COMPLIANCE	
PCS Related Standards	IEC 62477, IEC 61000-6-2, IEC 61000-6-4, EN 50549, G99, AS/NZS 4777.2:2020, NRS 097-2-1:2017
Battery Related Standards	UN 38.3 , UN 3481 , IEC 62619 , IEC 61000-6-2/-4 , IEC 62477-
DIMENSIONS & WEIGHTS	
System Dimensions (mm, W x D x H)	1500×1150×2450 for PCS, 1295×1500×2280 for each Battery Rack
Weight of Key Components (kg)	600 kg for PCS , 2500 kg per 206.9 kWh Battery Rack

Customizable HPS

Hybrid inverter 100 kW – 3MW

Storage System 100 kWh – 3MWh



VE ONE Liquid Cooling Battery Cabinet



Control Cabinet



PCS

Max. Number of Systems in Parallel	8
PCS Specifications	100 kW
Rated AC Power	100 kVA / kW
Rated Grid Voltage	400 Vac
Max. Discharge / Charge Current	157 A / 151 A
Total Harmonic Distortion	<3%
Rated Grid Frequency (Range)	50 Hz
Peak Efficiency	98%
Power Factor	-1 to 1 , continuously adjustable
ENERGY STORAGE	
Rated Energy DC	232.96 kWh*N
Voltage Range (Nominal Voltage)	728Vdc ~ 936 Vdc(832 Vdc)
Chemistry	LFP
ENVIRONMENTAL	
Operating Temperature Range / Humidity Range	-20~50 °C (PCS derating at 45 to 55 °C)/ 0 to 95% RH non-condensing
Altitudes	<4000 m (derating >2000 m)
IP Ratings	Battery System IP66 , PCS IP54 , Control Cabinet IP54 , DC Combiner IP54
FEATURES	
Battery Monitoring system	YES - Capable through SES monitoring system
Fire Suppression System	Pre-integrated Fire Suppression system with smoke and heat detectors plus aerosols
COMPLIANCE	
PCS Related Standards	IEC 62477-1 , EN62477-1 , IEC/EN61000-6-2 , IEC/EN 61000-6-4 IEC 60068-2-6:2007 , AS/NZS 4777.2:2020
Battery Related Standards	UN 38.3 , UN3481 , IEC 62619 , IEC 61000-6-2/-4 , IEC 62477-1 , UL 1973 , UL9540A
DIMENSIONS & WEIGHTS	
System Dimensions (mm, W x D x H)	600×500×2000 for PCS 1300 x 1300 x 2280 for each Battery Rack
Weight of Key Components (kg)	230 kg for PCS , 3500 kg per 232.96 kWh Battery Rack

Customizable HPS

Hybrid inverter 100 kW - 3MW

Storage System 100 kWh - 3MWh



VE ONE Liquid Cooling Battery Cabinet



Control Cabinet



PCS

Max. Number of Systems in Parallel	2			
PCS Specifications	1000 kW	1200 kW	1500 kW	1725 kW
Rated AC Power	1000 kVA / kW	1200 kVA / kW	1500 kVA / kW	1725 kVA / kW
Rated Grid Voltage	400 Vac	480 Vac	600 Vac	690 Vac
Max. AC Current	1672 A			1448 A
Total Harmonic Distortion	<3%			
Rated Grid Frequency (Range)	50 Hz /60 Hz			
Peak Efficiency	98%			
Power Factor	-1 to 1 , continuously adjustable			
ENERGY STORAGE				
Rated Energy DC	372.736 kWh*N			
Voltage Range (Nominal Voltage)	1164.8 ~ 1497.6 Vdc (1331.2 Vdc)			
Chemistry	LFP			
ENVIRONMENTAL				
Operating Temperature Range / Humidity Range	-20~50 °C (PCS derating at 45 to 55 °C) / 0 to 95% RH non-condensing			
Altitudes	<4000 m (derating >2000 m)			
IP Ratings	Battery System IP66 , PCS IP54 , Control cabinet IP54 , DC Combiner IP54			
FEATURES				
Battery Monitoring System	YES - Capable through VE monitoring system			
Fire Suppression System	Pre-integrated Fire Suppression system with smoke and heat detectors plus aerosols			
COMPLIANCE				
PCS Related Standards	VDE AR-N 4110 , G99 , IEC 62477 , IEC 61000-6-2 , IEC 61000-6-4 IEEE1547: 2018 , UL 1741 , UL1741 SB			
Battery Related Standards	UN 38.3 , UN3481 , IEC 62619 , IEC 61000-6-2/-4 , IEC 62477-1 , UL 1973 , UL9540A			
DIMENSIONS & WEIGHTS				
System Dimensions (mm, W x D x H)	2200 x 1100 x 2280 for PCS, 1300 x 1300 x 2280 for each Battery Rack			
Weight of Key Components (kg)	2600 kg for PCS , 3500 kg per 372.736 kWh Battery Rack			

Customizable HPS

Hybrid inverter 100 kW – 3MW

Storage System 100 kWh – 3MWh



VE C Liquid Cooling Battery Container



PCS

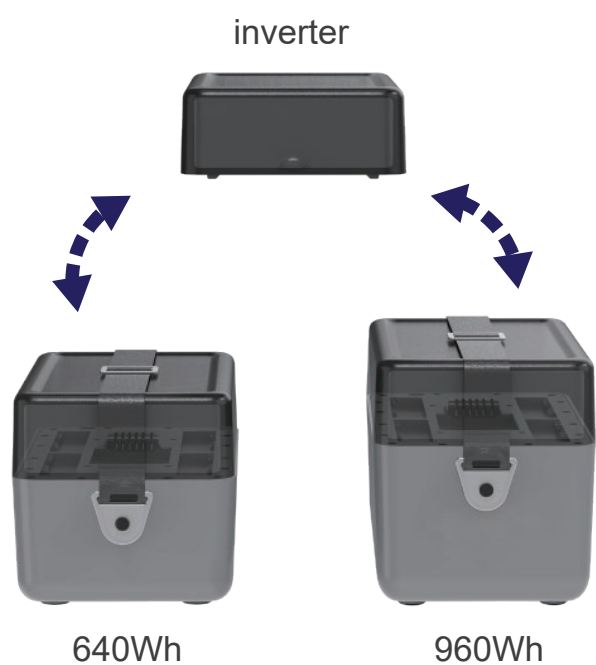
Max. Number of Systems in Parallel	2			
PCS Specifications	1000 kW	1200 kW	1500 kW	1725 kW
Rated AC Power	1000 kVA / kW	1200 kVA / kW	1500 kVA / kW	1725 kVA / kW
Rated Grid Voltage	400 Vac	480 Vac	600 Vac	690 Vac
Max. AC Current	1672 A			1448 A
Total Harmonic Distortion	<3%			
Rated Grid Frequency (Range)	50 Hz /60 Hz			
Peak Efficiency	98%			
Power Factor	-1 to 1 , continuously adjustable			
ENERGY STORAGE				
Rated Energy DC	3727.36 kWh			
Voltage Range (Nominal Voltage)	1164.8 ~ 1497.6 Vdc (1331.2 Vdc)			
Chemistry	LFP			
ENVIRONMENTAL				
Operating Temperature Range / Humidity Range	-20~50 °C (PCS derating at 45 to 55 °C) / 0 to 95% RH non-condensing			
Altitudes	<4000 m (derating >2000 m)			
IP Ratings	Battery System IP55 , PCS IP54 , Control cabinet IP54			
FEATURES				
Battery Monitoring System	YES - Capable through VE monitoring system			
Fire Suppression System	Pre-integrated Fire Suppression system with smoke and heat detectors plus aerosols			
COMPLIANCE				
PCS Related Standards	VDE AR-N 4110, G99, IEC 62477, IEC 61000-6-2, IEC 61000-6-4 IEEE1547: 2018, UL 1741, UL1741 SB			
Battery Related Standards	UN 38.3 , UN3536 , IEC 62619 , IEC 62933-5-2, IEC 63056, IEC 62477-1, UL 1973, UL9540A			
DIMENSIONS & WEIGHTS				
System Dimensions (mm, W x D x H)	2200 x 1100 x 2280 for PCS, 2462 x 6058 x 2896 for each Battery Container			
Weight of Key Components (kg)	2600 kg for PCS , 35000 kg per 3727.36 kWh Battery Container			

PORTABLE POWER STATION

FAST POWER SUPPLY AND SELF-CHARGE
OUTDOOR EXCITING WITHOUT POWER OUTAGE



Portable HPS VE600A/B



FEATURES

- AC+QC mode output meets most application requirements
- UL certified cells to ensure system safety
- Removable design, easy to carry
- Pay for your real needs

Technical Parameters

Model	VE600A	VE600B
Battery Type	LiFePO4@GF	LiFePO4@GF
Pack and Capacity	50Ah/640Wh	75Ah/960Wh
BMS&SOC	AFE/Enable	AFE/Enable
AC Output Power	600W/peak*2	600W/peak*2
AC Voltage/Frequency	120/230V/50/60Hz	120/230V/50/60Hz
AC Waveform	Pure sine wave	Pure sine wave
AC Adapter/Charge Time	80W/7-8H or 300W/3-4H	80W/7-8H or 300W/3-4H
MPPT (Optional)	12-30V/90W	12-30V/90W
USB-A	QC3.0 12V/1.5A*1	QC3.0 12V/1.5A*1
Type C	N/A	N/A
Car Port	N/A	N/A
Flashlight	N/A	N/A
Bluetooth/wifi	N/A	N/A
Parallel Capacity/Power	N/A	N/A
Size(L*W*H)	283*185*187mm	283*217*187mm

Portable HPS VE1200H



| 12 Key Leading Technology |

- Security
- PCS fast charging
- Large power solar power charging
- UPS function
- Capacity extensible
- Cycle life 3000 times
- Multiple charging port
- Parallel
- Intelligent adjustable loading
- Adjustable Frequency
- IOT
- Portable solar panel charging

Technical Parameters

Model	VE1200H
Battery Type	LiFePO4@GF
Pack and capacity	40Ah/1024Wh
BMS&SOC	AFE/Enable
AC Output Power	1200W/peak*2
AC Voltage/Frequency	120/230V/50/60Hz
AC waveform	Pure sine wave
Charging time	±2h
AC Input power	800W Max
MPPT	12V~75V/12A Max / 400W Max
USB-A	QC3.0 18W *2
Type C	PD 100W *2
Car Port	12V~24V-8A
Flashlight	5W
Wireless Charging	10W
Bluetooth/Wifi	Optional
Parallel capacity/power	Optional
Bluetooth/Wifi	Optional
Parallel capacity/power	Optional

Portable HPS VE1800H



| 12 Key Leading Technology |

- Security
- PCS fast charging
- Large power solar power charging
- UPS function
- Capacity extensible
- Cycle life 3000 times
- Multiple charging port
- Parallel
- Intelligent adjustable loading
- Adjustable Frequency
- IOT
- Portable solar panel charging

Technical Parameters

Model	VE1800H
Battery Type	LiFePO4@GF
Pack and capacity	30Ah/1536Wh
BMS&SOC	AFE/Enable
AC Output Power	1800W/peak*2
AC Voltage/Frequency	120/230V/50/60Hz
AC waveform	Pure sine wave
Charging time	±2h
AC Input power	1200WMax
MPPT	12V~75V/12A Max / 800W Max
USB-A	QC3.0 18W *2
Type C	PD 100W *2
Car Port	12V~24V-8A
Flashlight	5W
Wireless Charging	10W
Bluetooth/Wifi	Optional
Parallel capacity/power	Optional
Bluetooth/Wifi	Optional
Parallel capacity/power	Optional

Portable HPS VE2400H



| 12 Key Leading Technology |

- Security
- PCS fast charging
- Large power solar power charging
- UPS function
- Capacity extensible
- Cycle life 3000 times
- Multiple charging port
- Parallel
- Intelligent adjustable loading
- Adjustable Frequency
- IOT
- Portable solar panel charging


Technical Parameters


Model	VE2400H
Battery Type	LiFePO4@GF
Pack and capacity	40Ah/2048Wh
BMS&SOC	AFE/Enable
AC Output Power	2400W/peak*2
AC Voltage/Frequency	120/230V/50/60Hz
AC waveform	Pure sine wave
Charging time	±2h
AC Input power	1500W Max
MPPT	12V~75V/12A Max / 800W Max
USB-A	QC3.0 18W *2
Type C	PD 100W *2
Car Port	12V~24V-8A
Flashlight	5W
Wireless Charging	10W
Bluetooth/Wifi	Optional
Parallel capacity/power	Optional
Bluetooth/Wifi	Optional
Parallel capacity/power	Optional


Portable HPS VE3600H





| 12 Key Leading Technology |


- 


Security
- 


PCS fast charging
- 


Large power solar power charging
- 


UPS function
- 


Capacity extensible
- 


Cycle life 3000 times
- 

Multiple charging port
- 

Parallel
- 

Intelligent adjustable loading
- 

Adjustable Frequency
- 

IOT
- 

Portable solar panel charging

Technical Parameters

Model	VE3600H
Battery Type	LiFePO4@GF
Pack and capacity	3072WH (host) /5120WH (Expansion battery pack)
BMS&SOC	AFE/Enable
AC Output Power	3600W/peak*2
AC Voltage/Frequency	120/230V/50/60Hz
AC waveform	Pure sine wave
Charging time	±2h
AC Input power	2200W Max
MPPT	12~150V/25A Max / 2400W Max
USB-A	QC3.0 18W *4
Type C	PD 100W *2
Car Port	12V~24V-8A
Flashlight	/
Wireless Charging	10W
Bluetooth/Wifi	Optional
Parallel capacity/power	Optional
Bluetooth/Wifi	Option
Parallel capacity/power	Option

Portable HPS VE1200A



FEATURES

- AC+QC mode output meets most application requirements
- UL certified cells to ensure system safety
- Removable design, easy to carry
- Pay for your real needs

Technical Parameters

Model	VE1200A
Battery Type	LiFePO4@GF
Pack and capacity	50Ah/1280Wh
BMS&SOC	AFE/Enable
AC Output Power	1200W/peak*2
AC Voltage/Frequency	120/230V/50/60Hz
AC waveform	Pure sine wave
Charging time	≈1.9H
AC Input power	800W Max
MPPT	12V~75V/12A Max / 400W Max
USB-A	QC3.0 12V/1.5A*4
Type C	PD 20V/3A*2
Car Port	12V*10A*1
Flashlight	High, Medium, SOS,Flash
Bluetooth/Wifi	Optional
Parallel capacity/power	Optional
Wireless Charging	Optional

Portable HPS

VE2400A / VE3000A



FEATURES

- AC+QC mode output meets most application requirements
- UL certified cells to ensure system safety
- Removable design, easy to carry
- Pay for your real needs

Technical Parameters

Model	VE2400A	VE3000A
Battery Type	LiFePO4@GF	LiFePO4@GF
Pack and capacity	50Ah/2400Wh	60Ah/3072Wh
BMS&SOC	AFE/Enable	AFE/Enable
AC Output Power	2400W/peak*2	3000W/peak*2
AC Voltage/Frequency	120/230V/50/60Hz	120/230V/50/60Hz
AC waveform	Pure sine wave	Pure sine wave
Charging time	≈1.6H	≈2.3H
AC Input power	1200W Max	1600W Max
MPPT	12V~75V/24A Max / 800W Max	12V~80V/8.6A Max / 650W Max
USB-A	QC3.0 12V/1.5A*4	QC3.0 12V/1.5A*4
Type C	PD 20V/3A*2	PD 20V/3A*2
Car Port	12V*10A*1	12V*10A*1
Flashlight	High, Medium, SOS,Flash	High, Medium, SOS,Flash
Bluetooth/Wifi	Optional	Optional
Parallel capacity/power	Optional	Optional
Wireless Charging	Optional	Optional

ENERGY STORAGE SYSTEM

Suitable for demand of houses, offices,
Small and big Factories, Shopping Malls,
and Storage Stations





Wall- Mounted Energy Storage System VE5k-100C



FEATURES

- High-energy-density cells are lightweight but high-capacity
- Supports various communication protocols
- Cycle life up to 8000 cycles
- Compatible with a variety of inverters
- Intelligent battery management system (BMS)
- Excellent safety features

Technical Parameters

Model	VE5k-100C	
Battery Type	LiFePO4@GF	LiFePO4@GF
Rated Battery Voltage	48V	51.2V
Energy	4.8KWh	5.12KWh
Nominal Capacity	100Ah	
Standard Charging Current	20A	
Max. Charging Current	100A	
End Charging Current	2A	
Standard Discharge Current	20A	
Max. Discharge Current	100A	
Size(L*W*H)	582*500*192mm	
Net Weight	≈42.7kg	≈45kg
Discharge Temperature Range	-10°C~55°C & 14~131°F	
Charge Temperature Range	0°C~45°C & 32~113°F	
Storage Temperature Range	-40°C~55°C & -40~131°F	
Working Relative Humidity	≤85%	
Shell Material	SPCC	
Current Limiting Function	Limited 20A	
Precharge Function	Enable	
Communication Type	232/RS485/CAN	
Dial-up Add	4 Red LED	
Reverse Connection Protection	Enable	

Wall- Mounted Energy Storage System

VE10k-206C



FEATURES

- High-energy-density cells are lightweight but high-capacity
- Supports various communication protocols
- Cycle life up to 8000 cycles
- Compatible with a variety of inverters
- Intelligent battery management system (BMS)
- Excellent safety features

Technical Parameters

Model	VE10k-206C	
Battery Type	LiFePO4@GF	LiFePO4@GF
Rated Battery Voltage	48V	51.2V
Energy	9.89KWh	10.54KWh
Nominal Capacity	206Ah	
Standard Charging Current	40A	
Max. Charging Current	150A	
End Charging Current	4A	
Standard Discharge Current	40A	
Max. Discharge Current	150A	
Size(L*W*H)	600*520*192mm	
Net Weight	≈70kg	≈76kg
Discharge Temperature Range	-10°C~55°C & 14~131°F	
Charge Temperature Range	0°C~45°C & 32~113°F	
Storage Temperature Range	-40°C~55°C & -40~131°F	
Working Relative Humidity	≤85%	
Shell Material	SPCC	
Current Limiting Function	Limited 20A	
Precharge Function	Enable	
Communication Type	232/RS485/CAN	
Dial-up Add	4 Red LED	
Reverse Connection Protection	Enable	

Wall- Mounted Energy Storage System

VE15k-280C



FEATURES

- High-energy-density cells are lightweight but high-capacity
- Supports various communication protocols
- Cycle life up to 8000 cycles
- Compatible with a variety of inverters
- Intelligent battery management system (BMS)
- Excellent safety features

Technical Parameters

Model	VE15k-280C	
Battery Type	LiFePO4@GF	LiFePO4@GF
Rated Battery Voltage	48V	51.2V
Energy	13.44KWh	14.33KWh
Nominal Capacity	280Ah	
Standard Charging Current	56A	
Max. Charging Current	200A	
End Charging Current	5.6A	
Standard Discharge Current	56A	
Max. Discharge Current	200A	
Size(L*W*H)	620*540*192mm	
Net Weight	≈94.4kg	≈100kg
Discharge Temperature Range	-10°C~55°C & 14~131°F	
Charge Temperature Range	0°C~45°C & 32~113°F	
Storage Temperature Range	-40°C~55°C & -40~131°F	
Working Relative Humidity	≤85%	
Shell Material	SPCC	
Current Limiting Function	Limited 20A	
Precharge Function	Enable	
Communication Type	232/RS485/CAN	
Dial-up Add	4 Red LED	
Reverse Connection Protection	Enable	

Wall- Mounted Energy Storage System

VE10k-206D



115mm

FEATURES

- Ultra-thin wall-mounted design
- Cycle life up to 6000 times
- Compatible with a variety of inverters
- Intelligent battery management system (BMS)
- Excellent safety features

Technical Parameters

Model	VE10k-206D	
Battery Type	-	-
Rated Battery Voltage	48V	51.2V
Energy	9.89KWh	10.54KWh
Nominal Capacity	206Ah	
Standard Charging Current	40A	
Max. Charging Current	150A	
End Charging Current	4A	
Standard Discharge Current	40A	
Max. Discharge Current	200A	
Size(L*W*H)	601*115*1270mm	
Net Weight	-	
Discharge Temperature Range	-10°C~55°C & 14~131°F	
Charge Temperature Range	0°C~45°C & 32~113°F	
Storage Temperature Range	-40°C~55°C & -40~131°F	
Working Relative Humidity	≤85%	
Shell Material	SPCC	
Current Limiting Function	Limited 20A	
Precharge Function	Enable	
Communication Type	232/RS485/CAN	
Dial-up Add	4 Red LED	
Reverse Connection Protection	Enable	
Certification	UN38.3, IEC62619, CE(EMC & LVD), RoHs	

Stacked Storage System

VE5k-100E



FEATURES

- High-energy-density cells are lightweight but high-capacity
- Cycle life up to 8000 cycles
- Supports a maximum of 16 clusters in parallel
- Compatible with a variety of inverters
- Intelligent battery management system (BMS)
- Excellent safety features AGE 32 : Stacked Storage System

Technical Parameters

Model	VE5k-100E	
Battery Type	LiFePO4@GF	LiFePO4@GF
Rated Battery Voltage	48V	51.2V
Energy	4.8KWh	5.12KWh
Nominal Capacity	100Ah	
Standard Charging Current	20A	
Max. Charging Current	100A	
End Charging Current	2A	
Standard Discharge Current	20A	
Max. Discharge Current	100A	
Size(L*W*H)	483*491*177mm (1 Pack)	
Net Weight	—42.7kg (1 Pack)	—45kg (1 Pack)
Discharge Temperature Range	-10°C~55°C & 14~131°F	
Charge Temperature Range	0°C~45°C & 32~113°F	
Storage Temperature Range	-40°C~55°C & -40~131°F	
Working Relative Humidity	≤85%	
Shell Material	SPCC	
Current Limiting Function	Limited 20A	
Precharge Function	Enable	
Communication Type	232/RS485/CAN	
Dial-up Add	4 Red LED	
Reverse Connection Protection	Enable	
Certification	UN38.3, IEC62619, CE(EMC & LVD), RoHs	

Commercial Energy Storage System

VE50k-100k



FEATURES

- LFP battery system with multiple protection designs, safety, and reliability.
- Module design, flexible configuration, and easy expansion
- Long cycle life up to 8000 cycles, slow degradation, and excellent performance
- Easy operation and maintenance, time saving, labor-saving and cost-saving.

Technical Parameters

Model	VE50k-100k
Battery Type	LiFePO4@GF
Energy	98.88KWh
Nominal Capacity	206Ah
Rated Battery Voltage	480V
Operating Voltage Range	375V~540V
Max. Charging Current	103A
Max. Discharge Current	103A
Storage Temperature Range	-20℃~ 45℃ & -4°F~113°F
Operating Temperature Range	-20℃~ 55℃ & -4°F~131°F
Operating RH	10%~90%
Working Relative Humidity	5%~95%
Working Altitude	≤3000m
Cycle Life	3500cycles≥80%DOD@25℃
Communication Type	CAN/RS485
Size(L*W*H)	830*800*2100mm
Net Weight	≈ 900kg

Commercial Energy Storage System VE215k-C



FEATURES

- LFP battery system with multiple protection designs, safety, and reliability.
- Module design, flexible configuration, and easy expansion
- Long cycle life up to 8000 cycles, slow degradation, and excellent performance
- Easy operation and maintenance, time saving, labor-saving and cost-saving.

Technical Parameters

Model	VE215k-C
Battery Type	LiFePO4@GF
Energy	215KWh
Nominal Capacity	280Ah
Rated Battery Voltage	768V
Operating Voltage Range	600V ~ 876V
Max. Charging Current	280A
Max. Discharge Current	280A
Storage Temperature Range	-20°C~45°C & -4°F~113°F
Operating Temperature Range	-20°C~60°C & -4°F~140°F
Operating RH	10% ~ 90%
Working Relative Humidity	5% ~ 95%
Working Altitude	≤3000m
Cycle Life	5000cycles≥80%DOD@25°C
Communication Type	CAN/RS485
Size(L*W*H)	1600*694*2460mm
Net Weight	≈ 14000kg

Modular Energy Storage

VE215k-M



FEATURES

- LFP battery system with multiple protection designs, safety, and reliability.
- Module design, flexible configuration, and easy expansion
- Long cycle life up to 8000 cycles, slow degradation, and excellent performance
- Easy operation and maintenance, time saving, labor-saving and cost-saving.

MODEL

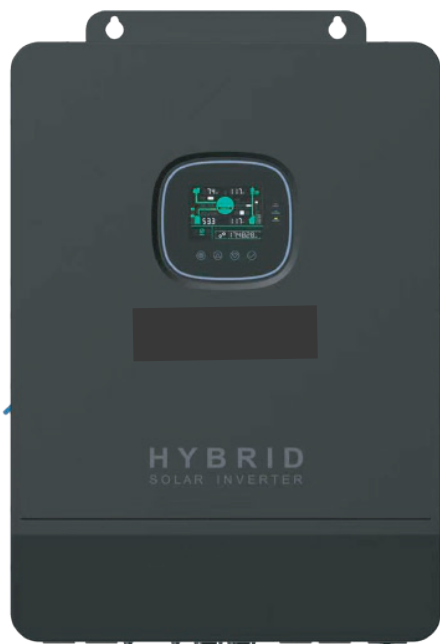
VE215kWh

DC battery parameters	
Type of battery	LFP280Ah
Battery pack configuraotion	14.336 kWh/1P16S
Battery system configuration	200 kWh/1P240S
Rated voltage	768 V
Battery voltage range	672~864 V
Number of temperature measurements	90
System parameters	
Maximum system efficiency	≥94%
Charge/discharge ratio	≤0.5C
Depth of discharge	100%DOD
Cycles	> 8000
Communication interface	CAN/RS485/LAN
Protection grade	IP55
Type of cooling	Airconditioningaircooling
Operation temperature	-35℃~+55℃
Relative humidity	5~95%RH, No condensation
Noise	< 70 dB
Altitude	< 2000 m
Size (W*H*D)	1200 mm * 2280 mm * 1100 mm
Fire fighhting system	Aerosol + Pack-level immersion + Active warning
Weight	2500 kg



INVERTER

- Single unit power up to 3-10kW
- 1-2 MPPT strings input
- Time-slot charging & discharging for peak and valley price
- Support self-use/hybrid output mode
- Single/split phase output available
- Support BMS communication



H series

HYBRID OUTPUT MODE

- Single unit power up to 8-10kW
- 2 MPPT strings input
- Time-slot charging & discharging fo peak and valley price
- Support self-use/hybrid output mode
- Single/split phase output available
- Support BMS communication

MODEL	VEH4880S180-H	VEH48100S200-H	CANBESET
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	
Max.Peak Power	16,000W	20,000W	
Rated Output Voltage	230Vac (single phase)		√
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		√
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		√
Rated Battery Voltage	48Vdc		
Max.MPPT Charging Current	200A		√
Max.Mains/Generator Charging Current	100A	120A	√
Max.Hybrid Charging Current	180A	200A	√
PV INPUT			
Num.of MPPT rackers	2		
Max.PV array power	5,500W+5,500W		
Max.input current	22A+22A		
Max.Voltage of Open Circuit	500Vdc+500Vdc		
MPPT Voltage Range	125~425Vdc		
MAINS/GENERATOR INPUT			
Input Voltage Range	170~280Vac		√
Frequency Range	50/60Hz		
BypassOverload Current	32A		
GENERAL			
Dimensions	620*445*130mm		
Weight	27kg		
Protection Degree	IP20, Indoor Only		
Operating Temperature Range	-15~55°C,>45°C derated		
Noise	<60dB		
Cooling Method	Internal Fan		



B series

ON/OFF-GRID OUTPUT MODE

- IP65 protection grade for outdoor use
- Time-slot charging & discharging for peak and valley price
- Support self-use/hybrid/on-grid output mode
- Support BMS communication

MODEL	VEB4850S100-H	VEB48100S200-H	CANBESET
INVERTER OUTPUT			
Rated Output Power	5,000W	10,000W	
Max.Peak Power	10,000VA	20,000VA	
Rated Output Voltage	230Vac (single phase/three phase)		√
Load Capacity of Motors	4HP	6HP	
Rated AC Frequency	50Hz/60Hz		
BATTERY			
Battery Type	Li-ion/Lead-Acid/User Defined		√
Rated Battery Voltage	48Vdc	48Vdc	
Max.MPPT Charging Current	100A	200A	√
Max.Mains/Generator Charging Current	60A	120A	√
Max.Hybrid Charging Current	100A	200A	√
PV INPUT			
Num.of MPPT Trackers	1	2	
Max.PV Array Power	5,500W	5,500W+5,500W	
Max.Input Current	22A	22A+22A	
Max.Voltage of Open Circuit	500Vdc		
MAINS/GENERATOR INPUT			
Input Voltage Range	170~280Vac	90~275Vac	√
Frequency Range	50Hz/60Hz		
Bypass Overload Current	40A	40A	
GENERAL			
Dimensions	556*345*182mm	700*440*240mm	
Weight	19.2kg	37kg	
Protection Degree	IP65		
Operating Temperature Range	-25°C~60°C, >45°C derating	-25°C~55°C, >45°C derating	
Cooling Method	Internal Fan		



L series

OFF-GRID OUTPUT MODE

- Suitable for off-grid applications
- Stable output of pure sine waves
- Support BMS communication
- Multiple charge and discharge modes are available

MODEL	VEL4850S80-H		VEL2430S60-100	CANBESET
INVERTER OUTPUT				
Rated Output Power	5,000W		3,000W	
Max.Peak Power	10,000VA		6,000VA	
Rated Output Voltage	230Vac (single phase)			√
Load Capacity of Motors	4HP		2HP	
Rated AC Frequency	50Hz/60Hz			
BATTERY				
Battery Type	Li-ion/Lead-Acid/User Defined			√
Rated Battery Voltage	48Vdc		24Vdc	
Max.MPPT Charging Current	80A		60A	√
Max.Mains/Generator Charging Current	60A		80A	√
Max.Hybrid Charging Current	80A		140A	√
PV INPUT				
Num.of MPPT Trackers	1			
Max.PV Array Power	5,200W		1,600W	
Max.Input Current	18A		40A	
Max.Voltage of Open Circuit	500Vdc		100Vdc	
MAINS/GENERATOR INPUT				
Input Voltage Range	170~280Vac			√
Frequency Range	50Hz/60Hz			
Bypass Overload Current	40A		30A	
GENERAL				
Dimensions	426*322*126mm		378*280*103mm	
Weight	10.9kg		6.2kg	
Protection Degree	IP20,IndorOnly			
Operating Temperature Range	-15°C~55°C			
Noise	<60dB			
Cooling Method	Internal Fan			



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