



Together *For a Blue Future*

2024

2024

ABOUT US

HINAESS, THE MOST ADVANCED BATTERY SOLUTION PROVIDER

HinaESS is a cutting-edge battery technology company that is leading the way in energy storage solutions. Our advanced batteries are designed to provide the highest levels of performance, reliability, and efficiency, making them ideal for a wide range of applications.

Our batteries are built using the safest LFP materials and manufacturing techniques, ensuring that they are highly durable and long-lasting. With a range of sizes and capacities, our solutions are designed to meet the diverse needs from global customers.



Hi-5

5.12 kWh



**GET
AWAY**

FROM LOAD SHEDDING

FEATURES

1C
Continuous Power

10
Year Warranty

32
Units Stackable

- 10 year warranty
- Ultra safe LFP material
- Short circuit protection
- Flexible remote upgrade
- Wide range inverter compatibility
- Parallel up to 32 modules
- 1C rate continuous charge/discharge
- Multi protection to avoid over discharge
- Smart BMS management for longer lifespan
- Active balancing charging, low self consumption

📍 Guiyang, China

✉ info@hinaess.com

🌐 www.hinaess.com

Together
For a Blue Future





Model	Hi-5
Cell Type	LFP
Rated Power	5.12kWh
Rated Capacity	100Ah
Rated Voltage	51.2V
Charge Voltage	56.5V
Max Charge/Discharge Current	100A
Discharge Peak Current	105A / 15s, 120A / 0.5s
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP20
Dimension	481*452.6*165mm
Weight	50Kg
Communication	CAN/RS485
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 °C ~ +55 °C
Storage Temperature	-10 °C ~ +35 °C
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty*	10 year, 6000 cycles
Certification	CE UN38.3 IEC62619
Protection	Over charge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection

PowerGem

Load Shedding? Not On Our Watch.

// FEATURES

⚙️ NEAT

- 10 year warranty
- Ultra safe LFP material
- Elegant enclosure design
- Floor-standing wall-mounting

👉 HANDY

- Quick installation
- Remote monitoring
- Flexible remote upgrade
- Auto-addressing for master / slaves set up

⚙️ ROBUST

- Parallel up to 32 modules
- Wide range inverter compatibility
- 1C rate continuous charge/discharge
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1C
Continuous Power

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Units Stackable





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Cell Type	LFP
Rated Power	5.12kWh
Rated Capacity	100Ah
Rated Voltage	51.2V
Charge Voltage	56.5V
Max Charge/Discharge Current	100A
Discharge Peak Current	105A / 15s, 120A / 0.5s
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP20
Dimension	640*428*166mm
Weight	58Kg
Communication	CAN/RS485
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 °C ~ +55 °C
Storage Temperature	-10 °C ~ +35 °C
Remote Maintenance	Flexible remote upgrade, remote monitoring Original firmware backup to prevent upgrade failure
Warranty *	10 year, 6000 cycles
Certification	CE UN38.3 IEC62619
Protection	Over charge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Stronger active balance, Low SOC protection

PowerGem Plus

51.2V/14.3kWh/8000cycles

FEATURES

0.5C

Continuous
Power

10

Year
Warranty

32

Units
Stack able

Neat

Wall
mount

Handy

Free
Monitor

8000

Cycles

- Ultra safe LFP material
- Short circuit protection
- Flexible remote upgrade
- Wide range inverter compatibility
- Multi protection to avoid over discharge
- Smart BMS management for longer lifespan
- Active balancing charging, low self consumption



Module Name

PowerGem Plus

Cell Type	LFP
Rated Power	14.3kWh
Rated Capacity	280Ah
Rated Voltage	51.2V
Charge Voltage (Vdc)	56.5
Battery Charge Current(A)	140(max continuous)
	150 (start limit current to 10A, retest every 10 minutes)
	160 (peak1 15S)
	180 (peak2 500ms)
Battery Discharge Current(A)	140(max continuous)
	150(start giving over-current alarm but not stop discharging)
	160 (peak1 5minutes)
	200 (peak2 500ms)
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP20
Dimension(W*D*H,mm)	900*475*238mm
Weigh	115Kg
Communicationt	CAN/RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	8000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 °C ~ +55 °C
Storage Temperature	-10 °C ~ +35 °C
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	10 year, 8000 cycles
Certification	CE UN38.3 IEC62619
Protection	Over charge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection

8

Series per stack

20

Stack parallel

10

Year warranty

POWER STACK

**HIGH
VOLTAGE**
BETTER EFFICIENCY

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POWER STACK

Model	PowerStack
Scalable Connection	2~8pcs series per stack, up to 20 stack parallel
Battery stack nominal energy	PowerStack 10kWh 15kWh 20kWh 25kWh 30kWh 35kWh 40kWh
Dimension	577mm/735mm/893mm/1051mm/1209mm/1367mm/1525mm
Weight	110Kg/ 155Kg/200Kg/245Kg/290Kg/335Kg/380Kg
Battery module nominal voltage	70.4V
Battery module nominal capacity	72Ah
Battery module nominal energy	5.069kWh
Protection	IP65
Battery module voltage range	61.6V~80.3V
Battery module recommend charge/discharge current	36A, 0.5C
Battery module max continuous charge/discharge current	50.4A, 0.7C
Battery module max continuous charge/discharge power	3.54 8KW
Max. series number per cluster	8 series
Cluster parallel	Up to 20 clusters, without extra unit needed
Charging/Discharging temperature	0 °C ~ +55 °C, -20 °C ~ +55 °C
Recommend storage temperature	-10 °C ~ +35 °C (Max range-30 °C ~ +55 °C)
Recommend storage humidity	10% RH~90% RH
Warranty *	10 year, 6000 cycles
Certification	CE UN38.3 IEC62619
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure

* @ 25°C, 90% Dod, 0.5C testing condition



SVE Plus

51.2V/14.3kWh/8000cycles

FEATURES

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INSTALLATION SYSTEM





 ADDRESS

Guiyang, China

 MAIL

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 WEBSITE

www.hinaess.com