NEW E
A BE

云狮数字科技

COMPANY

- Yunshi Digital Te
  field of energy sto
- Committed to pro
  intelligent energy s
- Modern productio
  meters, 200 + pro
  + senior engineer
- Developed 30 +
  independent intelle
- Specialized in h
  industrial energy s
  countries and regi
- Innovation-drive
  based, promote th
  and create higher

CORE

TEAM

Dr. X

· **Founder o**

· **Chief Scie**

· **Director, I**
South China

· **Professor**
University

Representat

1. National
2. Major pilo
dynamics a
learning me
3. Young top
Guangdong

Dr. W

· **Founder**

· **Chief Net**
Technolog

· **IEEE Fell**

· **Professo**

15KWhAC/DC Hybrid Energy Storage System

Photovoltaic Input

Maximum Photovoltaic Input Energy	6KW
Maximum Photovoltaic Input Voltage	500V
MPPT Range (Max Power Point Tracking)	120~430V
Maximum Input Current	18A
MPPT Tracker(s)	1

AC Power Port

Rated Grid Output Power	5.0KVA

Efficiency

Maximum Efficiency	
Round-Trip Efficiency	

General Data

Operating Temperature Range	
Dimensions (W/H/D, mm)	
Weight (kg)	
Control Panel	
Load Monitoring	
BMS Communication Method	

Battery Module

Cell Type	
Nominal Energy (kWh)	
Usable Energy (kWh)	
Depth of Discharge Nominal	
Battery Voltage	
Operating Voltage Range	
Maximum Charging Current	
Maximum Discharging Current	
Operating Temperature Range	
Cycle Life	
Expandable	
Dimensions (W/H/D, mm)	
Weight (kg)	
PCS Communication Method	
Reference Standards	
Transportation Standards	

Home storage, or

15KWh DC Energy Storage System

Application Scenarios

Backup Power
Grid Support
Subsidies
Self-Consumption
Smart Home
Energy Management

Main Parameters		
Cell Type		Li
Built-in Circuit Breaker		25
Capacity (A h)		29
Expandable		Up
Nominal Voltage (V)		51
Operating Voltage (V)		43
Nominal Energy (kWh)		15
Usable Energy (kWh)		14
Charging/ Discharging Current (A)	Recommended	10
	Maximum	15
	Peak	20

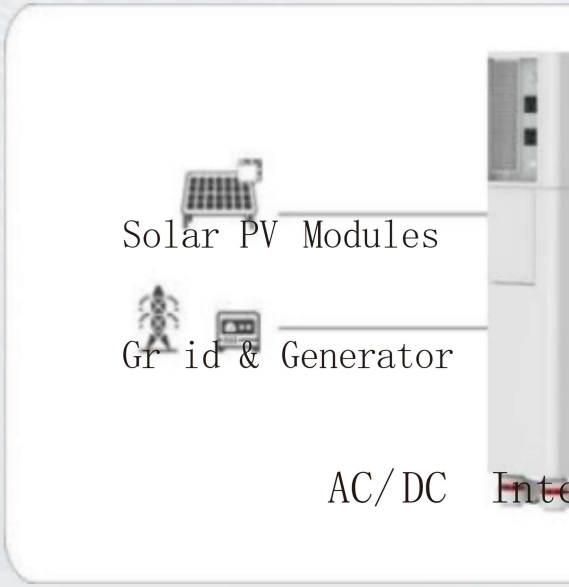
Other Parameters	
Recommended Depth of Discharge	95
Dimensions (W/H/D, mm)	42
Weight (kg)	12
Control Panel	LE
Protection Rating	IP
Operating Temperature	Ch
Storage Temperature	0°C
Humidity	10
Altitude	≤
Cycle Life	>
Cooling Method	Na

Product Performance

- Iron Core Cells
- Off-Grid Inverter Integrated
- High Energy Storage Efficiency
- Overload Protection
- Reverse Polarity Protection
- Temperature Protection
- Short Circuit Protection
- Intelligent BMS System

Operating M

AC/DC Integrated M

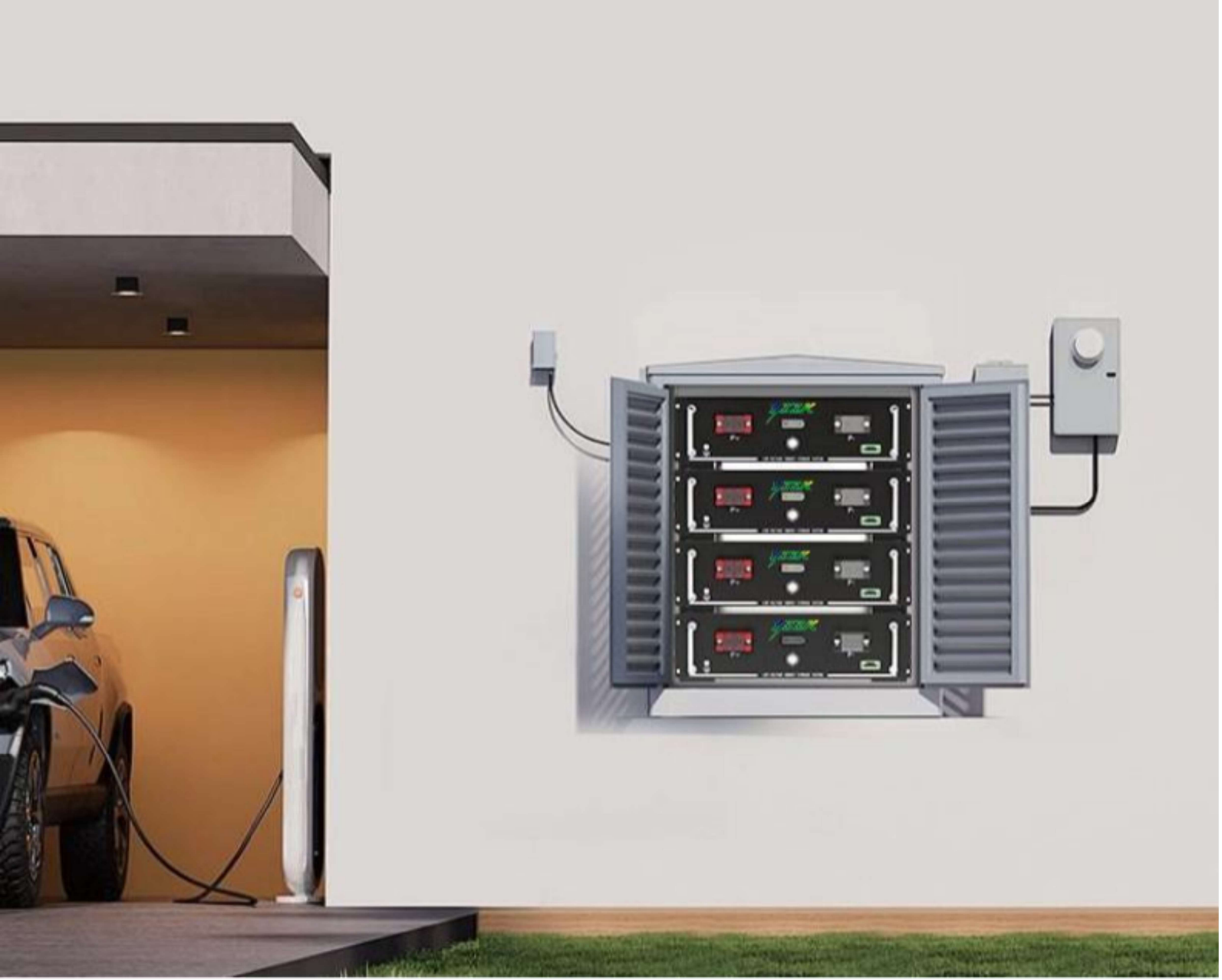


DC Energy Storage

1.3kWh DC Backup Power Supply

Product Features

Main Parameters	
Cell Type	Li
Capacity (Ah)	10
Expandable	Sup
Nominal Voltage (V)	12
Operating Voltage (V)	10.8
Nominal Energy (kWh)	1.
Usable Energy (kWh)	1.
Charge/Discharge	Recommended 50 / Max 100
Recommended Depth of Discharge	9
Dimensions (W/H/D, mm)	3
Weight (kg)	1
LCD Display	Sta
Protection Rating	IP
Operating Temperature	Charg
Storage Temperature	0
Humidity	1
Altitude	≤
Cycle Life	>
Cooling Method	N



2.6KWh DC Energy Storage System

Product Features

Main Parameters		
Cell Type		L
Capacity (A h)		10
Expandable		Su
Nominal Voltage (V)		25
Operating Voltage (V)		20
Nominal Energy (kWh)		2.6
Usable Energy (kWh)		2.4
Charging/ Discharging Current (A)	Recommended	50
	Maximum	10
	Peak	11

Other Parameters	
Recommended Depth of Discharge	9
Dimensions (W/H/D, mm)	48
Weight (kg)	24
LED Indicator Light Description	5*
Protection Rating	IP
Operating Temperature	Ch
Storage Temperature	0
Humidity	10
Altitude	≤
Cycle Life	>
Cooling Method	Na

3.8KWh DC Energy Storage System

Product Features

High Safety: Equipped with fireproof insulation layer and optional built-in fire

Main Parameters		
Cell Type		L
Capacity (A h)		29
Expandable		Su
Nominal Voltage (V)		12
Operating Voltage (V)		1(
Nominal Energy (kWh)		3.
Usable Energy (kWh)		3.
Charge/ Discharge Current (A)	recommended	1(
	Max	15
	Peak	18

Other Parameters	
Recommended Depth of Discharge	95
Dimensions (W/H/D, mm)	48
Weight (kg)	24
LED Display	sta
Protection Rating	IP
Operating Temperature	Ch
Storage Temperature	0
Humidity	10
Altitude	≤
Cycle Life	>
Cooling Method	Na

5.2KWh DC Energy Storage System

Product Features

Main Parameters

Cell Type		Lith
Battery capacity (Ah)		102
Expandable		Up t
Nominal Voltage (V)		51.2
Operating Voltage (V)		43.2
Nominal Energy (kWh)		5.2
Usable Energy (kWh)		4.864
Charging/ Discharging Current (A)	Recommended	50
	Maximum	100
	Peak	120A

Other Parameters

Recommended Depth of Discharge	95%
Dimensions (W/H/D, mm)	490*
Weight (kg)	4
Control Panel	L
LED Indicator Light Description	
Protection Rating	I
Operating Temperature	C
Storage Temperature	0
Humidity	1
Altitude	
Cycle Life	
Cooling Method	
Installation Method	

5.2KWhAC/DC Hybrid Energy Storage

Photovoltaic Input

Maximum Photovoltaic Input Energy	6KW
Max Photovoltaic InputVoltage	500V
MPPTRange (Max Power Point Tracking)	120~430V
Maximum Input Current	18A
MPPT Tracker(s)	1

AC Power Port

Rated Grid Output Power	3.0KVA

Efficiency

Maximum Efficiency	94%
Round-Trip Efficiency	90%

General Data

Operating Temperature Range	-10
Dimensions (W/H/D, mm)	480
Weight (kg)	55k
Control Panel	LC
Load Monitoring	Cu
BMS Communication Method	RS

Battery Module

Cell Type	Lith
Nominal Energy (kWh)	5.2
Usable Energy (kWh)	5
Depth of Discharge (DOD)	95%
Nominal Battery Voltage	51.2
Operating Voltage Range	43.2-
Maximum Charging Current	100A
Maximum Discharging Current	100A
Operating Temperature Range	Cha
Cycle Life	>30
Expandable	Up t
Dimensions (W/H/D, mm)	paral
Weight (kg)	329*
PCS Communication Method	CAN
Reference Standards	IEC6
Transportation Standards	UN3

System

Household energy storage system

15KWh all-in-one ESS

15KWh DC Battery

10 KWh DC power-wall

2.6/5.2KWh Battery

Industrial &

PowerON D1

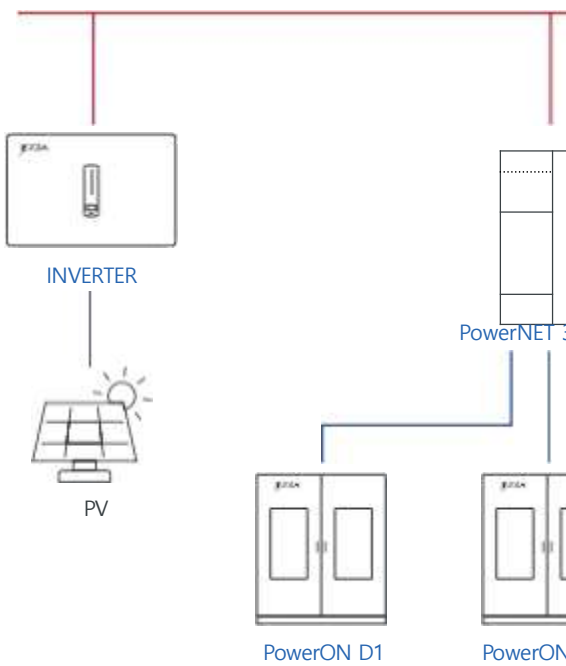
Outdoor distributed battery cabinet

environmental adaptation

The whole machine has IP54 protection level , internal circulation forced air cooling design , and independent thermal management and temperature control system to meet the needs of most scene environments .

Safe and reliable

PACK + system + shell insulation triple fire protection design , independent relay protection , cell-level thermal



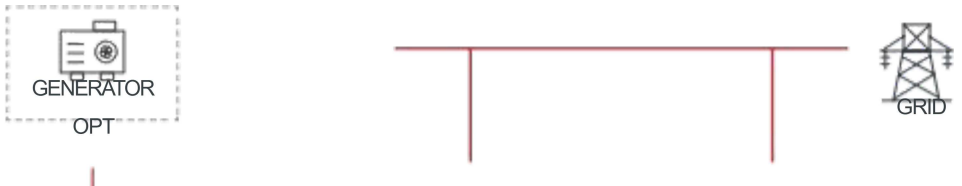
Spec

Inverter cabinet	PowerNet 300	Pow
Number of battery cabinets	1	
Rated energy(kWh)	215	
Rated power(kW)	100	
System efficiency	≤90%	
Dimensions(W / D / H , mm)		
cabinet)		
Weight(kg)		

Basic

PowerNET 100-HY

Outdoor control inverter cabinet



Effi ciency

Maximum effi ciency	98.2%
European effi ciency	97.7%

Basic parameters

Storage temperature (°C)	-30 to +70
Operating temperature (°C)	-25 to + 55(derating starts at 45℃)
Humidity (RH)	5 to 95%, no condensation
Maximum altitude (m)	4000 (derate over 2000)
Cooling	Intelligent air cooling
Noise emission	< 65dB
Display	7 inch touch display
Communications	Ethernet/4G/ RS485/CAN
Weight (kg)	850
Size (W × D× H , mm)	1000 × 1000 × 1950
Ingress protection	IP54(outdoor) / IP20(indoor)

Output (on-grid)

Grid connection	3P4W/3P3W
Rated output power (kW)	100
Maximum apparent power output (kVA)	110
Maximum grid input power (kVA)	220
Rated output voltage (V)	220/380, 230/400,3W/N+PE
Rated grid frequency (Hz)	50/60
Rated output current (A)	144

Rated frequency (Hz)
Rated output current (A)
Maximum output current (A)
Power factor

Maximum input power (kW)
Maximum input voltage (V)
Operating voltage (V)
Starting voltage (V)
Rated input voltage (V)
Maximum input current per MPPT (A)
Maximum short circuit current per circuit (A)
Number of MPPT
Maximum number of group strings per branch

In

Battery type
Maximum charging power (kW)
Maximum discharge power (kW)
Operating voltage (V)
Maximum working current (A)

Industrial and commercial energy storag

Factory production process

Product molding

Construction case

South African factory case

Nigeria factor

NEW ENERGY

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