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ZING POWER SOLUTIONS
Inverters & Lithium Batteries Catalogue 2025



POWERWALL LiFePO4 BATTERY

MODEL NO. 25Z-IN-G100

APP Monitoring (optional)
Real-time monitoring &
Remote upgrade available

Various Mounting Methods
Wall-mounted, floor-standing and stacked

Module Design
Flexible expansion

High Safety LFP Cell level
monitoring and balancing

Wide Compatibility
Matching with
leading inverters



Nominal voltage	25.6V
Rated capacity	100Ah
Rated energy	2.56Kwh
Maximum continuous discharge current	100A
Operating Voltage	20.8~29.2V
Recommended Charge/Discharge Rate	0.5C
Max Discharge Rate	1C
Max Charge Rate	0.5C
Depth of Discharge (DOD)	90%
Net Weight	29
Dimension (W*D*H)	453*380*158
Charging Temp. Range	0~50°C
Discharging Temp. Range	20~60°C
Communication	RS232, RS485, CAN
Cycle Life	≥6000 Cycles
Warranty	5 Years
Protection Level	IP20
Expansion	Up to 15 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/ Victron/ Luxpower/Goodwe/ Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design

MODEL NO. 25Z-IN-G200

APP Monitoring (optional)
Real-time monitoring &
Remote upgrade available

Various Mounting
Methods

Wide
Compatibility

Module Design
Flexible expansion

Wall-mounted, floor-standing
and stacked
High Safety LFP
Cell level monitoring and
balancing

Matching with
leading
inverters



Nominal voltage	25.6V
Rated capacity	200Ah
Rated energy	5.12Kwh
Maximum continuous discharge current	150A
Operating Voltage	20.8~29.2V
Recommended Charge/Discharge Rate	0.5C
Max Discharge Rate	1C
Max Charge Rate	0.5C
Depth of Discharge (DOD)	90%
Net Weight	49
Dimension (W*D*H)	530*445*170
Charging Temp. Range	0~50°C
Discharging Temp. Range	-20~60°C
Communication	RS232, RS485, CAN
Cycle Life	≥6000 Cycles
Warranty	5 Years
Protection Level	IP20
Expansion	Up to 15 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/Victron /Luxpower/Goodwe /Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design

MODEL NO. 51Z-IN-G100

APP Monitoring (optional)
Real-time monitoring &
Remote upgrade available

Various Mounting
Methods

Wide
Compatibility

Module Design
Flexible expansion

Wall-mounted, floor-standing
and stacked
High Safety LFP
Cell level monitoring and
balancing

Matching with
leading
inverters



Nominal voltage	51.2V
Rated capacity	100Ah
Rated energy	5.12Kwh
Maximum continuous discharge current	100A
Operating Voltage	41.6~58.4V
Recommended Charge/Discharge Rate	0.5C
Max Discharge Rate	1C
Max Charge Rate	0.5C
Depth of Discharge (DOD)	90%
Net Weight	49
Dimension (W*D*H)	530*445*170
Charging Temp. Range	0~50°C
Discharging Temp. Range	-20~60°C
Communication	RS232, RS485, CAN
Cycle Life	≥6000 Cycles
Warranty	5 Years
Protection Level	IP20
Expansion	Up to 15 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/Victron/Luxpower/Goodwe/Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design

MODEL NO. 51Z-IN-G200

APP Monitoring (optional)
Real-time monitoring &
Remote upgrade available

Module Design Flexible
expansion

Various Mounting
Methods

Wall-mounted, floor-
standing
and stacked
High Safety LFP
Cell level monitoring and
balancing

Wide
Compatibility

Matching with
leading
inverters



Nominal voltage	51.2V
Rated capacity	200Ah
Rated energy	10.24Kwh
Maximum continuous discharge current	150A
Operating Voltage	41.6~58.4V
Recommended Charge/Discharge Rate	0.5C
Max Discharge Rate	1C
Max Charge Rate	0.5C
Depth of Discharge (DOD)	90%
Net Weight	90
Dimension (W*D*H)	765*550*212
Charging Temp. Range	0~50°C
Discharging Temp. Range	-20~60°C
Communication	RS232, RS485, CAN
Cycle Life	≥6000 Cycles
Warranty	5 Years
Protection Level	IP20
Expansion	Up to 15 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/Victron/Luxpower/Goodwe/Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design

MODEL NO. 51Z-IN-G300

APP Monitoring (optional)
Real-time monitoring &
Remote upgrade available

Various Mounting Methods
Wall-mounted, floor-standing
and stacked
High Safety LFP
Cell level monitoring and
balancing

Wide Compatibility
Matching with leading
inverters

Module Design Flexible
expansion



Nominal voltage	51.2V
Rated capacity	300Ah
Rated energy	15.36Kwh
Maximum continuous discharge current	200A
Operating Voltage	41.6~58.4V
Recommended Charge/Discharge Rate	0.5C
Max Discharge Rate	1C
Max Charge Rate	0.5C
Depth of Discharge (DOD)	90%
Net Weight	112
Dimension (W*D*H)	765*495*247
Charging Temp. Range	0-50°C
Discharging Temp. Range	20~60°C
Communication	RS232, RS485, CAN
Cycle Life	≥6000 Cycles
Warranty	5 Years
Protection Level	IP20
Expansion	Up to 15 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/Victron/Luxpower/Goodwe/Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design

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MODEL NO. 12Z-IN-G100

- ◆ APP Monitoring (optional)
Real-time monitoring & Remote upgrade available
- ◆ Various Mounting Methods
Wall-mounted, floor-standing and stacked
- ◆ Wide Compatibility
Matching with leading inverters
- ◆ Module Design
Flexible expansion
- ◆ High Safety LFP
Cell level monitoring and balancing



Nominal voltage	12.8V
Rated capacity	100Ah
Rated energy	1.28Kwh
Standard charge current	50A
Maximum continuous discharge current	100A
Charging Cut-off voltage	14.6V
Discharge cut-off voltage	10.4V
Charge temperature range	0~50°C
Discharge temperature range	-20~55°C
Cycle Life	≥3000 Cycles
Dimensions	200*148*280
Weight (kg)	10.8
Warranty	2 Years
Protection Level	IP20
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/Victron/Luxpower/Godwe/Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design



POWERWALL LiFePO4 BATTERY

MODEL NO. 12Z-IN-G150

APP Monitoring
(optional)

Real-time monitoring &
Remote upgrade
available

Module Design
Flexible expansion

◆ Various Mounting
Methods

Wall-mounted,
floor-standing and
stacked

◆ High Safety LFP

Cell level monitoring
and balancing

◆ Wide Compatibility

Matching with leading
inverters



Nominal voltage	12.8V
Rated capacity	150Ah
Rated energy	1.92Kwh
Standard charge current	75A
Maximum continuous discharge current	100A
Charging Cut-off voltage	14.6V
Discharge cut-off voltage	10.4V
Charge temperature range	0~50°C
Discharge temperature range	-20~55°C
Cycle Life	≥3000 Cycles
Dimensions	370*160*300
Weight (kg)	18
Warranty	2 Years
Protection Level	IP20
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/ Victron/Luxpower/Goodwe/Sofa r, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design

MODEL NO. 12Z-IN-G200

◆ APP Monitoring (optional)

Real-time monitoring & Remote upgrade available

◆ Module Design

Flexible expansion

◆ Various Mounting Methods

Wall-mounted, floor-standing and stacked

◆ High Safety LFP

Cell level monitoring and balancing

◆ Wide Compatibility

Matching with leading inverters



Nominal voltage	12.8V
Rated capacity	200Ah
Rated energy	2.56Kwh
Standard charge current	100A
Maximum continuous discharge current	150A
Charging Cut-off voltage	14.6V
Discharge cut-off voltage	10.4V
Charge temperature range	0~50°C
Discharge temperature range	-20~55°C
Cycle Life	≥3000 Cycles
Dimensions	370*160*300
Weight (kg)	23
Warranty	2 Years
Protection level	IP20
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/Victron/Luxpower/Goodwe/Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design

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MODEL NO. 12Z-IN-G100

- ◆ Safe lithium battery technology
- ◆ Supports series & parallel use
- ◆ 15 years, designed service life
- ◆ Lithium-iron phosphate battery (LiFePO₄)
- ◆ Multiple safety protections
- ◆ Built-in BMS system
- ◆ ECO friendly
- ◆ Intelligent balancing function
- ◆ IP20 protection
- ◆ Special protection plate



Nominal voltage	12.8V
Rated capacity	100Ah
Rated energy	1.28Kwh
Standard charge current	50A
Recommend discharge current	100A
Maximum continuous charge current	50A
Maximum continuous discharge current	100A
Charging Cut-off voltage	14.6V
Discharge cut-off voltage	10.4V
Communication Interface	NO
Charge temperature range	0~50°C
Discharge temperature range	-20~55°C
Max in Series/Parallel	4
Case Material	ABS
BMS Built-in	YES
Weight (kg)	9.9
Dimensions L×W×H (mm)	345*180*265

MODEL NO. 12Z-IN-G150

- ◆ Safe lithium battery technology
- ◆ Supports series & parallel use
- ◆ 15 years, designed service life
- ◆ Lithium-iron phosphate battery (LiFePO₄)
- ◆ Multiple safety protections
- ◆ Built-in BMS system
- ◆ ECO friendly
- ◆ Intelligent balancing function
- ◆ IP20 protection
- ◆ Special protection plate



Nominal voltage	12.8V
Rated capacity	150Ah
Rated energy	1.92Kwh
Standard charge current	75A
Recommend discharge current	150A
Maximum continuous charge current	75A
Maximum continuous discharge current	100A
Charging Cut-off voltage	14.6V
Discharge cut-off voltage	10.4V
Communication Interface	NO
Charge temperature range	0~50°C
Discharge temperature range	-20~55°C
Max in Series/Parallel	4
Case Material	ABS
BMS Built-in	YES
Weight (kg)	14.7
Dimensions L*W*H (mm)	490*180*285

MODEL NO. 12Z-IN-G200

- ◆ Safe lithium battery technology
- ◆ Supports series & parallel use
- ◆ 15 years, designed service life
- ◆ Lithium-iron phosphate battery (LiFePO₄)
- ◆ Multiple safety protections
- ◆ Built-in BMS system
- ◆ ECO friendly
- ◆ Intelligent balancing function
- ◆ IP20 protection
- ◆ Special protection plate



Nominal voltage	12.8V
Rated capacity	200Ah
Rated energy	2.56Kwh
Standard charge current	100A
Recommend discharge current	150A
Maximum continuous charge current	100A
Maximum continuous discharge current	150A
Charging Cut-off voltage	14.6V
Discharge cut-off voltage	10.4V
Communication Interface	NO
Charge temperature range	0~50°C
Discharge temperature range	-20~55°C
Max in Series/Parallel	4
Case Material	ABS
BMS Built-in	YES
Weight (kg)	20.4
Dimensions L×W×H (mm)	530*248*275



PORTABLE E INVERTER WITH POWER BACKUP





TECHNICAL PARAMETER

SPECIFICATION	MODEL	ZING-PE-BUSS-1.5K	ZING-PE-BUSS-3K	ZING-PE-BUSS-3K
Inverter / Charger				
Inverter Type		1.5 KVA/V	3 KVA/V	3 KVA/V
Rated Output Power		1.5 KW	2.7 KW	2.7 KW
Output Voltage Waveform		Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Output Voltage		230VAC 50HZ	230VAC 50HZ	230VAC 50HZ
Charging Current(Utility and solar together)		80AMax.	80AMax.	80AMax.
AC Input				
Nominal Input Voltage		230Vac		
Voltage Range		170-280Vac(UPS), 90-280Vac (Appliances)		
Nominal Input Frequency		50HZ / 60HZ (Auto detections)		
AC Charging Current		60AMax.	60AMax.	60AMax.
Solar Input				
Nominal PV Voltage		240Vdc	240Vdc	240Vdc
PV Array MPPT Voltage Range		30Vdc~80Vdc	30Vdc~350Vdc	30Vdc~350Vdc
SolarCharging Current		60AMax.	60AMax.	60AMax.
PV Support		4000 Watts		
E Backup				
Capacity		1280Wh	2560Wh	5120Wh
Nominal Battery Voltage		12.8Vdc	25.6Vdc	25.6Vdc
Typical Capacity		100Ah	100Ah	200Ah
Max.Charge Current		50A	50A	50A
Max.Discharge Current		100A	100A	100A
Operation Temperature		-10°C~+50°C		
Protection				
Protection		Overcharge/Overdischarge/Overcurrent/Overtemperature/Shortcircuit protection		
Ambient				
Noise(dB)		<40dB (1 meter)		
Working Temperature		-10°C~+50°C		
Humidity		0~95% (no condensation)		
Sea Level(m)		≤ 1500		
Dimension				
L*W*H (products size)		L450*W213*H636mm	L450*W297*H731mm	L873*W480*H279mm
L*W*H (package size)		L721*W535*H298mm	L816*W535*H364mm	L941*W555*H354mm

System Diagram



HYBRID PORTABLE E INVERTER WITH POWER BACKUP



SPECIFICATION	ZING-PE-BUSS-6K	ZING-PE-BUSS-8K	ZING-PE-BUSS-11K
INVERTER/CHARGER			
Inverter Type	Hybrid MPPT Portable E Inverter		
Rated Output Power	6KW	8KW	11KW
Output Voltage Waveform	Pure Sine Wave		
Output Voltage	230VAC 50HZ		
Low DC Warning Voltage	45.8Vdc		
Low DC Cut-off Voltage	44.8Vdc		
Low DC Warning Return Voltage	46.8Vdc		
Total Charging Current(Grid+solar)	120A Max.	150A Max.	150A Max.
Bulk Charging Voltage	57.6Vdc		
Float Charging Voltage	56.0Vdc		
E Backup			
Normal Battery Modular	51.2V200Ah	51.2V300Ah	51.2V300Ah
Normal Capacity (25°C, 0.2C)	10.24KVVh	15.36KWh	15.36KVVh
Nominal Battery Voltage	51.2Vdc	51.2Vdc	51.2Vdc
Nominal Capacity	200Ah	300Ah	300Ah
Max. Charge Current	225A 1Sec.	300A 1Sec.	300A 1Sec.
Max. Discharge Current	150A	200A	200A
Operation Voltage Range	44.8Vdc ~ 58.4Vdc		
Operation Temperature	-10°C ~ +50°C		
AC INPUT			
Nominal Input Voltage	230Vac		
Low Loss Voltage	170Vac ± 7%(UPS), 90Vac ± 7%(Appliances)		
Low Loss Return Voltage	180Vac ± 7%(UPS), 100Vac ± 7%(Appliances)		
High Loss Voltage	280Vac ± 7		
High Loss Return Voltage	270Vac ± 7		
Max. AC Input Voltage	300Vac		
Nominal Input Frequency	50HZ / 60HZ (Auto detection)		
AC Charging Current	120A Max.	150A Max.	150A Max.
SOLAR INPUT			
Nominal PV Voltage	360Vdc		
PV Array MPPT Voltage Range	120Vdc~450Vdc		
Max. PV Array Open Circuit Voltage	500Vdc		
Solar Charging Current	120A Max.	150A Max.	150A Max.
PV Support	8000 Watts	12000 Watts	
PROTECTION			
Protection	Over charge protection, Over discharge protection, Over current protection, Short circuit protection , Over temperature protection		
AMBIENT			
Noise (dB)	< 55dB (1 meter)		
Working Temperature	-10°C~+50°C		
Humidity	0~95% (no condensation)		
Sea Level (m)	≤1500		
OTHERS			
Efficiency	92.0%		

HYBRID PORTABLE E INVERTER WITH POWER BACKUP



TECHNICAL PARAMETER

SPECIFICATION	ZING-PE-BUSS-6K	ZING-PE-BUSS-8K	ZING-PE-BUSS-11K
Model Information			
Inverter Type	Hybrid MPPT Portable E Inverter		
Rated Output Power	6KW	8KW	11KW
Output Voltage Waveform	Pure Sine Wave		
Output Voltage	230VAC 50HZ		
Low DC Warning Voltage	45.8Vdc		
Low DC Cut-off Voltage	44.8Vdc		
Low DC Warning Return Voltage	46.8Vdc		
Total Charging Current(Grid+solar)	120A Max.	150A Max.	150A Max.
Bulk Charging Voltage	57.6Vdc		
Float Charging Voltage	56.0Vdc		
Battery			
Normal Battery Modular	51.2V200Ah	51.2V300Ah	51.2V300Ah
Normal Capacity (25°C, 0.2C)	10.24kVWh	15.36kWh	15.36kVWh
Nominal Battery Voltage	51.2Vdc	51.2Vdc	51.2Vdc
Nominal Capacity	200Ah	300Ah	300Ah
Max. Charge Current	225A 1sec.	300A 1sec.	300A 1sec.
Max. Discharge Current	150A	200A	200A
Operation Voltage Range	44.8Vdc ~ 58.4Vdc		
Operation Temperature	-10°C ~ +50°C		
AC Output			
Nominal Input Voltage	230Vac		
Low Loss Voltage	170Vac ± 7(UPS), 90Vac ± 7(Appliances)		
Low Loss Return Voltage	180Vac ± 7(UPS), 100Vac ± 7(Appliances)		
High Loss Voltage	280Vac ± 7		
High Loss Return Voltage	270Vac ± 7		
Max. AC Input Voltage	300Vac		
Nominal Input Frequency	50HZ / 60HZ (Auto detection)		
AC Charging Current	120A Max.	150A Max.	150A Max.
AC Input			
Nominal PV Voltage	360Vdc		
PV Array MPPT Voltage Range	120Vdc~450Vdc		
Max. PV Array Open Circuit Voltage	500Vdc		
Solar Charging Current	120A Max.	150A Max.	150A Max.
PV Support	8000 Watts	12000 Watts	
Protection			
Protection	Over charge protection, Over discharge protection, Over current protection, Short circuit protection, Over temperature protection		
Environment			
Noise (dB)	< 55dB (1 meter)		
Working Temperature	-10°C ~ +50°C		
Humidity	0~95% (no condensation)		
Sea Level (m)	≤1500		
Efficiency			
Efficiency	92.0%		

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TC series
Hybrid Solar Inv



MODEL NO. ZING-TC-4K

- ◆ High frequency inverter
- ◆ Lighter weight with higher efficiency
- ◆ Output power factor PF=1
- ◆ Lithium battery activation start function with ac and solar mode
- ◆ Higher solar charging and battery protection
- ◆ Pure sine wave output, adaptable to different loads
- ◆ 500V high PV input
- ◆ WIFI function
- ◆ Working with or without battery

INPUT	
Phase	L+N+PE
Nominal Voltage	208/220/230/240VAC
Voltage Range	154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)
Frequency Range	50Hz/60Hz(Adaptive)

OUTPUT	
Rated Power	4000W
Output Voltage(AC)	208/220/230/240VAC±5%
On / Off grid	Optional
Output Frequency	50/60Hz±0.1%
Waveform	Pure sine wave
Transfer Time(Optional)	10ms for computer , 20ms for home appliances
Peak power	8000VA

OVERLOAD	
Battery Mode:	
	1min@102%~110% Load
	10s@110%~130% Load
	3s@130%~150% Load
	200ms@>150% Load
Peak efficiency (battery mode)	>98%

BATTERY	
Rated voltage	24Vdc
Constant voltage charging voltage (Optional)	28.2Vdc
Floating charge voltage (Optional)	27Vdc

CHARGER	
PV charging method PV	MPPT
max input power MPPT	6500W
tracking range Max PV	60~500Vdc
input current Max PV	27A
input voltage Max PV	500Vdc
charging current Max AC	120A
charging current Max	100A
charging current	120A

DISPLAY	
LCD display	Operating mode/load/input/output, etc.

COMMUNICATION PORT	
RS232	5PIN/Pitch2.0mm, baud rate 2400
Expansion & configuration port	2*5PIN/Pitch2.54mm, lithium battery BMS communication card, WIFI card, dry contact card, etc.
Parallel interface	NO

ENVIRONMENTAL PARAMETERS	
Operating environment temperature	-10~60°C
Operating environment humidity	(20%~95% Noncondensing)
Storage temperature	-15~60°C
Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m, refer to noise
noise	IEC62040 ≤50db

CERTIFICATIONS

EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1, IEC 61683

INGRESS PROTECTION

IP21



MODEL NO. ZING-TC-6.2K

- ◆ High frequency inverter
- ◆ Lighter weight with higher efficiency
- ◆ Output power factor PF=1
- ◆ Lithium battery activation start function with ac and solar mode
- ◆ Parallel function to expansion power
- ◆ Higher solar charging efficiency and battery protection
- ◆ Pure sine wave output, adaptable to different loads
- ◆ 500V high PV input
- ◆ WIFI function
- ◆ Working with or without battery

INPUT

Phase	L+N-PE
Nominal Voltage	208/220/230/240VAC
Voltage Range	154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)
Frequency Range	50Hz/60Hz(Adaptive)

OUTPUT

Rated Power	6200W
Output Voltage(AC)	208/220/230/240VAC±5%
On / Off grid	Optional
Output Frequency	50/60Hz±0.1%
Waveform	Pure sine wave
Transfer Time(Optional)	10ms for computer, 20ms for home appliances
Peak power	12400VA

OVERLOAD

Battery Mode:	
	1min@102%~110% Load
	10s@110%~130% Load
	3s@130%~150% Load
	200ms@>150% Load
Peak efficiency (battery mode)	>98%

BATTERY

Rated voltage	48Vdc
Constant voltage charging voltage (Optional)	56.4Vdc
Floating charge voltage (Optional)	54Vdc

CHARGER

PV charging method	MPPT
PV max input power	8500W
MPPT tracking range	60~500Vdc
Max PV input current	27A
Max PV input voltage	500Vdc
Max PV charging current	120A
Max AC charging current	100A
Max charging current	120A

DISPLAY

LCD display	Operating mode/load/input/output, etc.
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COMMUNICATION PORT

RS232	5PIN/Pitch2.0mm, baud rate 2400
Expansion & configuration port	2*5PIN/Pitch2.54mm, lithium battery BMS communication card, WIFI card, dry contact card, etc.

ENVIRONMENTAL PARAMETERS

Operating environment temperature	-10~60°C
Operating environment humidity	(20%~95% Noncondensing)
Storage temperature	-15~40°C
Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m, refer to noise
noise	IEC62040 $\leq 50\text{db}$

CERTIFICATIONS

EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1, IEC 61683

INGRESS PROTECTION

IP21



MODEL NO. ZING-TC-11K

- ◆ High frequency inverter
- ◆ Lighter weight with higher efficiency
- ◆ Output power factor PF=1
- ◆ Lithium battery activation start function with ac and solar mode
- ◆ Parallel function to expansion power
- ◆ Higher solar charging efficiency and battery protection
- ◆ Pure sine wave output, adaptable to different loads
- ◆ 500V high PV input
- ◆ WIFI function
- ◆ Working with or without battery

INPUT

Phase	L-N-PE
Nominal Voltage	208/220/230/240VAC
Voltage Range	154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)
Frequency Range	50Hz/60Hz(Adaptive)

OUTPUT

Rated Power	11000W
Output Voltage(AC)	208/220/230/240VAC±5%
On / Off grid	Optional
Output Frequency	50/60Hz±0.1%
Waveform	Pure sine wave
Transfer Time(Optional)	10ms for computer , 20ms for home appliances
Peak power	22000VA

OVERLOAD

Battery Mode :	1min@102%~110% Load
	10s@110%~130% Load
	3s@130%~150% Load
	200ms@>150% Load
Peak efficiency (battery mode)	>98%

BATTERY

Rated voltage	48Vdc
Constant voltage charging voltage (Optional)	56.4Vdc
Floating charge voltage (Optional)	54Vdc

CHARGER

PV charging method	MPPT
PV max input power	15000W
MPPT tracking range	90~500Vdc
Max PV input current	27Ax 2
Max PV input voltage	500Vdc
Max PV charging current	150A
Max AC charging current	150A
Max charging current	150A

DISPLAY

LCD display	Operating mode/load/input/output, etc.
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COMMUNICATION PORT

RS232	5PIN/Pitch2.0mm, baud rate 2400
Expansion & configuration port	2*5PIN/Pitch2.54mm, lithium battery BMS communication card, WIFI card, dry contact card, etc.
Parallel interface	YES

ENVIRONMENTAL PARAMETERS

Operating environment temperature	-10~60°C
Operating environment humidity	(20%~95% Noncondensing)
Storage temperature	-15~60°C
Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m, refer to
noise	IEC62040 ≤50db

CERTIFICATIONS

EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1, IEC 61683

INGRESS PROTECTION

IP21

zing
GET YOUR ZING ON

IP65



POWER WALL LiFePO4 IP65 BATTERY

MODEL NO. 51Z-IN-G100

- ◆ APP Monitoring (optional)
Real-time monitoring & Remote upgrade available
- ◆ Module Design
Flexible expansion
- ◆ Various Mounting Methods
Wall-mounted, floor-standing and stacked
- ◆ High Safety LFP
Cell level monitoring and balancing
- ◆ Wide Compatibility
Matching with leading inverters



Nominal voltage	25.6V
Rated capacity	100Ah
Rated energy	2.56Kwh
Maximum continuous discharge current	100A
Operating Voltage	20.8~29.2V
Recommended Charge/Discharge Rate	0.5C
Max Discharge Rate	1C
Max Charge Rate	0.5C
Depth of Discharge (DOD)	90%
Net Weight	29Kg
Dimension (W*D*H)	453*380*158
Charging Temp. Range	0~50°C
Discharging Temp. Range	-20~60°C
Communication	RS232, RS485, CAN
Cycle Life	≥6000 Cycles
Warranty	5 Years
Protection Level	IP65
Expansion	Up to 15 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/Victron /Luxpower/Goodwe/Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design

POWER WALL LiFePO4 IP65 BATTERY

MODEL NO. 51Z-IN-G100

- ◆ APP Monitoring (optional)
Real-time monitoring & Remote upgrade available
- ◆ Module Design
Flexible expansion

- ◆ Various Mounting Methods
Wall-mounted, floor-standing and stacked
- ◆ High Safety LFP
Cell level monitoring and balancing

- ◆ Wide Compatibility
Matching with leading inverters



Nominal voltage	51.2V
Rated capacity	100Ah
Rated energy	5.12Kwh
Maximum continuous discharge current	100A
Operating Voltage	41.6~58.4V
Recommended Charge/Discharge Rate	0.5C
Max Discharge Rate	1C
Max Charge Rate	0.5C
Depth of Discharge (DOD)	90%
Net Weight	47 kgs
Dimension (W*D*H)	530*445*170
Charging Temp. Range	0~50°C
Discharging Temp. Range	-20~60°C
Communication	RS232, RS485, CAN
Cycle Life	≥6000 Cycles
Warranty	5 Years
Protection Level	IP65
Expansion	Up to 15 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/Victron/Luxpower/Goodwe/Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design

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GET YOUR ZING ON



51.2V 600Ah 30.72kWh
LiFePO₄ Battery Module

POWER WALL LiFePO4 BATTERY

MODEL NO. 51Z-IN-G600

- ◆ APP Monitoring (optional)
Real-time monitoring & Remote upgrade available
- ◆ Various Mounting Methods
floor-standing and stacked
- ◆ Wide Compatibility
Matching with leading inverters
- ◆ Module Design
Flexible expansion
- ◆ High Safety LFP
Cell level monitoring and balancing



Nominal voltage	51.2V
Rated capacity	600Ah
Rated energy	30.72Kwh
Maximum continuous discharge current	200A
Operating Voltage	44.8~58.4V
Recommended Charge/Discharge Rate	0.5C
Max Discharge Rate	1C
Max Charge Rate	0.5C
Depth of Discharge (DOD)	90%
Dimension (W*D*H)	300*930*805
Charging Temp. Range	0~50°C
Discharging Temp. Range	-20~60°C
Communication	RS232, RS485, CAN
Cycle Life	≥6000 Cycles
Warranty	5 Years
Protection Level	IP20
Expansion	Up to 15 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/Victrol/Luxpower/Goodwe/Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design

POWER WALL LiFePO4 BATTERY

MODEL NO. 51Z-IN-G400

◆ APP Monitoring (optional)
Real-time monitoring &
Remote upgrade available

◆ Module Design
Flexible expansion

◆ Various Mounting Methods
floor-standing and stacked

◆ High Safety LFP
Cell level monitoring and
balancing

◆ Wide Compatibility
Matching with leading
inverters



Nominal voltage	51.2V
Rated capacity	400Ah
Rated energy	20.48Kwh
Maximum continuous discharge current	200A
Operating Voltage	44.8~58.4V
Recommended Charge/Discharge Rate	0.5C
Max Discharge Rate	1C
Max Charge Rate	0.5C
Depth of Discharge (DOD)	90%
Dimension (W*D*H)	300*670*853
Charging Temp. Range	0~50°C
Discharging Temp. Range	-20~60°C
Communication	RS232, RS485, CAN
Cycle Life	≥6000 Cycles
Warranty	5 Years
Protection Level	IP20
Expansion	Up to 15 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible inverters	Inverex/Growatt/Voltronic/Deye/Victron/Luxpower/Go odwe/Sofar, etc.
Prosa	Can be used in both off-grid and hybrid setups, compact design



HIGH "VOLTAGE LiFePO4 BATTERY"



HIGH VOLTAGE LiFePO4 BATTERY



HIGH VOLTAGE LiFePO4 BATTERY

15.36 - 61.44 kWh

High Voltage Battery Pack



SPECIFICATION

Model	ZIN-GHV-S											
Battery Type	LiFePO4											
Module Voltage/Capacity	51.2V/100AH											
Number of modules	3	4	5	6	7	8	9	10	11	12		
System Nominal Voltage (V)	153.6	204.8	256	307.2	358.4	409.6	460.8	512	563.2	614.4		
System Operating Voltage (V)	~	~	~	~	~	~	~	~	~	~	~	
	175.2	233.6	292	350.4	408.8	467.2	525.6	584	642.4	700.8		
System Energy (kWh)	15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44		
Recommended charge/discharge current	50A											
Max charge/discharge current	100A											
Peak Discharge Current	125A											
Working Temperature	Charge: 0~55 °C / Discharge: -20~55 °C											
Communication port	CAN / RS485											
Single module Dimension	442*510*177 mm											
Installation method	Stacked											
Protection Level	IP20											

HIGH VOLTAGE LiFePO4 BATTERY



HIGH VOLTAGE LiFePO4 BATTERY

15.36 - 61.44 kWh

High Voltage Battery Pack



SPECIFICATION

Model	ZIN-GHV											
Battery Type	LiFePO4											
Module Voltage/Capacity	51.2V/100AH											
Number of modules	3	4	5	6	7	8	9	10	11	12		
System Nominal Voltage (V)	153.6	204.8	256	307.2	358.4	409.6	460.8	512	563.2	614.4		
System Operating Voltage (V)	124.8	166.4	208	249.6	291.2	332.8	374.4	416	457.6	499.2		
	~	~	~	~	~	~	~	~	~	~		
	175.2	233.6	292	350.4	408.8	467.2	525.6	584	642.4	700.8		
System Energy (kWh)	15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44		
Recommended charge/discharge current	50A											
Max charge/discharge current	100A											
Peak Discharge Current	125A											
Working Temperature	Charge: 0~55 °C / Discharge:-20~55 °C											
Communication port	CAN / RS485											
Single module Dimension	442*510*177 mm											
Installation method	Rack mounted											
Protection Level	IP20											
	6000 (25±2 °C, 0.5C/0.5C)											

