



NIKKOESS

PURE POWER PURE SAKOON

***Global
Energy
Transition***





NIKKO ESS

— PURE POWER PURE SAKOON —

NIKKO 2.5

The Smart Start

TOTAL ENTRY ENERGY

2.56 kWh

VOLTAGE

25.6V

CAPACITY

100 AH

Cell Supplier: Grade-A EVE/CBAK Certified
Cell Quality: Zero Recycled Content



Technical Specifications

Main Parameters

Battery Type:	LiFePO4
Capacity:	100 AH
Nominal Voltage:	25.6V
Operating Voltage Range:	21.6V to 28.8V
Energy Capacity:	2.56 kWh
Usable Capacity:	2.30 kWh
User Interface:	LCD Screen
Battery Cycles:	6000 @ 0.5C (at 25°C, 70% EOL)

Connectivity

Connectivity	Wi-Fi (for cloud) CAN and RS485 (for inverter)
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Mechanical

Weight:	30kg
Mounting Options:	Wall & Table-Top
Size:	580 x 320 x 190mm

Charge / Discharge

Recommended Current:	50 A
Maximum Current:	100 A
Depth of Discharge:	90%

Environment

Protection Rating:	IP31
Altitude Limit:	< 2000 m
Storage Temperature Range:	0°C to 45°C
Humidity Tolerance:	5% to 95%
Operating Temperature Range:	-10°C to 50°C



Powered by Nikko i-BMS | 5-Day Local Support
NIKKO Design Labs LLC, California



NIKKO ESS

— PURE POWER PURE SAKOON —

NIKKO 5 RACK

The Professional's Choice™

NOMINAL ENERGY

5.12 kWh

VOLTAGE
51.2V

CAPACITY
100 AH

Cell Supplier: Grade-A EVE/CBAK Certified
Cell Quality: Zero Recycled Content



Technical Specifications

Main Parameters

Battery Type:	LiFePO4
Capacity:	100 AH
Nominal Voltage:	51.2V
Operating Voltage Range:	43.2V to 57.6V
Energy Capacity:	5.12 kWh
Usable Capacity:	4.60 kWh
User Interface:	LCD Screen
Battery Cycles:	6000 @ 0.5C (at 25°C, 70% EOL)

Connectivity

Connectivity	Wi-Fi (for cloud) CAN and RS485 (for inverter)
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Mechanical

Weight:	50kg
Mounting Options:	Rack Mount
Size:	485x450x133

Charge / Discharge

Recommended Current:	50 A
Maximum Current:	100 A
Depth of Discharge:	90%

Environment

Protection Rating:	IP21
Altitude Limit:	<2000m
Storage Temperature Range:	0°C to 35°C
Humidity Tolerance:	5% to 95%
Operating Temperature Range:	-10°C to 50°C



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NIKKO ESS

— PURE POWER PURE SAKOON —

NIKKO 5 WALL

The Signature Standard

HOME STORAGE ENERGY

5.12 kWh

VOLTAGE

51.2V

CAPACITY

100 AH

Cell Supplier: Grade-A EVE/CBAK Certified
Cell Quality: Zero Recycled Content

Active-Balance
i-BMS

FAST
CHARGE

6000
CYCLES

WI-FI
ENABLED

LCD
DISPLAY

REMOTE
MONITOR

ZERO
MAINT.

Technical Specifications

Main Parameters

Battery Type:	LiFePO4
Capacity:	100 AH
Nominal Voltage:	51.2V
Operating Voltage Range:	43.2V to 57.6V
Energy Capacity:	5.12 kWh
Usable Capacity:	4.60 kWh
User Interface:	LCD Screen
Battery Cycles:	6000 @ 0.5C (at 25°C, 70% EOL)

Connectivity

Connectivity	Wi-Fi (for cloud) CAN and RS485 (for inverter)
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Mechanical

Weight:	50kg
Mounting Options:	Wall & Table-Top
Size:	580 x 520 x 190mm

Charge / Discharge

Recommended Current:	50 A
Maximum Current:	100 A
Depth of Discharge:	90%

Environment

Protection Rating:	IP21
Altitude Limit:	< 2000m
Storage Temperature Range:	0°C to 35°C
Humidity Tolerance:	5% to 95%
Operating Temperature Range:	-10°C to 50°C



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NIKKO ESS

— PURE POWER PURE SAKOON —

Coming Soon

NIKKO 15

The Industrial Gaint

TOTAL SYSTEM ENERGY

14.34 kWh

VOLTAGE

51.2V

CAPACITY

280AH

Cell Supplier: Grade-A EVE/CBAK Certified

Cell Quality: Zero Recycled Content



Active-Balance
i-BMS



FAST
CHARGE



6000
CYCLES



WI-FI
ENABLED



LCD
DISPLAY



REMOTE
MONITOR



ZERO
MAINT.

Technical Specifications

● Main Parameters

Battery Type:	- LiFePO4
Capacity:	- 280 AH
Voltage:	- 51.2V
Operating Voltage Range:	- 43.2V to 256.2V
Energy Storage:	- 14.33 kWh
Usable Energy:	- 12.9 kWh
Display:	- LCD Screen
Battery Life:	- 6000@0.5C (Temp 25°C, EOL 70%)

● Charging & Discharging

Recommended:	- 100 A
Maximum:	- 200 A
Recommended Battery Usage:	- Discharge Up to 90%

● Environment

Protection Rating:	- Ip54
Altitude Limit:	- <2000m
Storage Temperature:	- 0°C to 45°C
Humidity Tolerance:	- 5% to 95%
Operating Temperature:	- -10°C to 50°C

● Connectivity

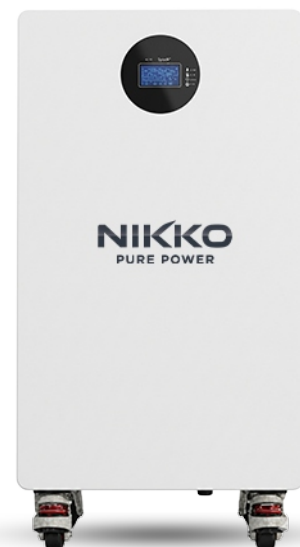
Connectivity:	- Wi-Fi (for cloud) CAN and RS485 (for inverter)
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● Mechanical

Weight:	- 120kg
Size:	- 500 x 233 x 810 mm
Installation:	- Floor Standing

● Certifications

Warranty :	Power - 5 Years Product - 7 Years
Safety Standards:	- UN38.3 Certified



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NIKKO Design Labs LLC, California



GLOBAL ENERGY

TRANSITION

Empowering businesses and smart homes with high-efficiency energy storage. Built to California engineering standards for the modern energy landscape.

CE

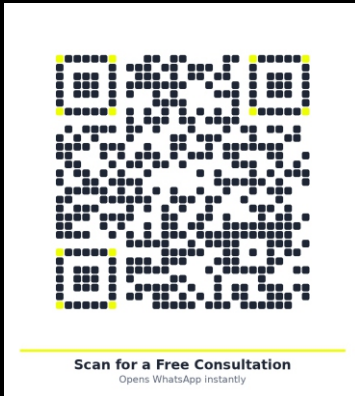
COMPLIANCE

UN38.3

SAFETY

MSDS

TRANSPORT



SCAN FOR SUPPORT

- **TECHNICAL MANUALS**
- **PERFORMANCE WARRANTY**

www.nikkoess.com

**"Designed & Engineered by NIKKO
Design Labs LLC, California"**

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