A Global Leading Lithium Ion
Battery Energy Storage Solutions Provider

Nacci
Reliable Power Expert

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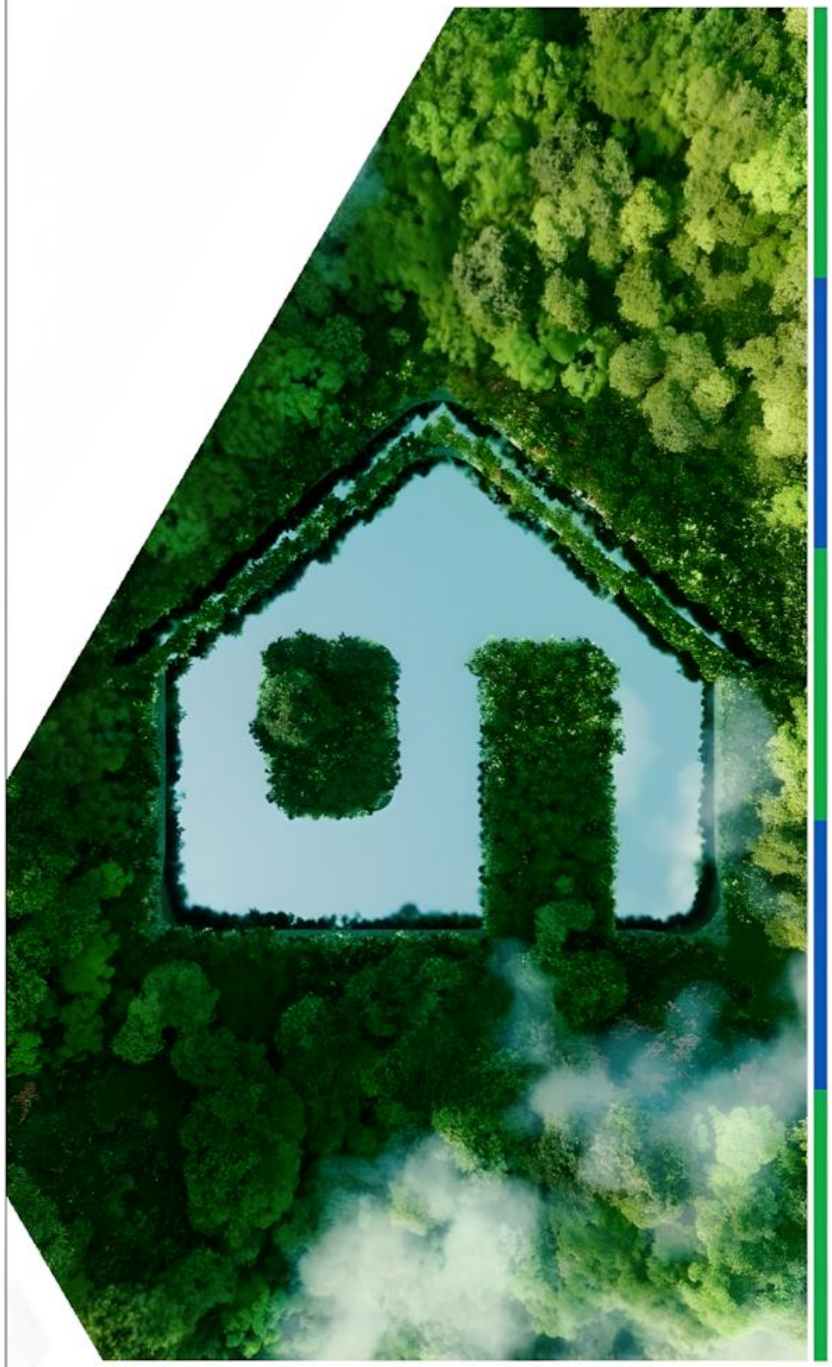
PRODUCT BROCHURE



2025
RENEWABLE ENERGY
Green Energy For A Better Life

Nacci

Reliable Power Expert

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Quick Selection Guide

Series	Type	Voltage	Capacity	Installation	Parallel Qty.	Page
Residential ESS	RPES-W3	25.6/51.2V	200/280/ 300/314/560Ah	Wheel-Mounted	1~16PCS	P04
	RPES-W2					P05
	RPES-WM5	25.6/ 48/51.2V	100/200/	Wall-Mounted	1~16PCS	P06
	RPES-WM4					P07
	RPES-WM2					P08
	RPES-RM1	51.2V	100/200Ah	Rack-Mounted	1~16PCS	P09
	RPES-SM1		400Ah	Stackable		P10
	RPES-SMAIO2	51.2V	100/200/400Ah	Wheel-Mounted	1~15PCS	P11-12
	RPES-GWAIO3			Wall-Mounted		P13-14
	RPES-GWAIO2			Ground-Standing		P15
	RPES-HVSM1			Ground-Standing		P16
C & I ESS	RPCI-HVC7	358V	100/200/280Ah	Ground-Standing	1~8PCS	P19
	RPCI-HVC6	205V				P20
	RPCI-HVC4	614/716V				P21
	RPCI-HVC3	358/512V				P22
	RPCI-HVC1	205V				P23
	RPCI-HVC5	400V				P24
Telecom Battery	RPTB-HM1	48/51.2V	5/10/20Ah	Wall-Mounted	1~16PCS	P27
	RPTB-RM1		50/100/150/200Ah	Rack-Mounted		P28
UPS Battery	RP-UPS-WG	192/384/ 480/512V	50/100/200Ah	Ground-Standing	1~8PCS	P31-32
AGV Power Battery	RPAP-AM1	36/48V	100/200Ah	—	—	P35
	RPAP-AM2	51.2/72V	100/200/300Ah			P36
Lead Acid Replacement	RP-LAR	12.8/25.6V	10~400Ah	—	1~4PCS	P39-40

Part Number System

❶ RP (RPT) - ❷ ES (Series) - ❸ 51.2V (Voltage) ❹ 100 (Capacity) - ❺ WM (Installation Type) ❻ 1 (Series Number)

❷ Series:
- ES-Energy Storage
- CI-Commercial & Industrial
- TB-Telecom Battery
- UPS-UPS Battery
- LAR-Lead Acid Replacement Battery
- AP-AGV Power Battery

❸ Voltage: 12.8V, 25.6V, 48V, ⋮, 716V, 850V

❹ Capacity: 5Ah, 10Ah, 20Ah, ⋮, 560Ah, 608Ah

❺ Installation Type:
- WM-Wall Mounted Type
- RM-Rack Mounted Type
- SM-Stackable Type
- W-Wheel Mounted Type
- HVC-High Voltage Battery Cluster
- HM-Hang Mounted
- WG-Wheel Grounded
- SMAIO-Stackable Mounted All-In-One
- GMAIO-Ground Mounted All-In-One
- AM-Automated Power Modules
- HVSM-High Voltage Stackable Mounted

❻ Series Number: 1, 2, ⋮, N

CONTENT

COMPANY PROFILE

Nacci Energy Technology (Shenzhen) Co., Ltd. is headquartered in Bao'an, Shenzhen, and is a leading supplier of advanced lithium-ion battery system solutions. Our production facilities support a wide range of applications, including residential, commercial, and industrial energy storage systems (ESS),telecommunications base stations, data centers, RVs, golf carts, forklifts, AGVs, and other specialized vehicles.

RPT operates in accordance with globally recognized management standards and holds certifications such as ISO 9001, ISO 14001, and ISO 45001. Our products comply with stringent international safety and quality standards. With a strong global presence, our solutions have been deployed across regions including Europe, North America, Southeast Asia, the Middle East, Africa, and Australia. Our core clients include industry leaders such as KT in South Korea, ATC in the United States, MTN in Africa, and NIGUS. Our core team consists of experts in R&D, production, and quality assurance, all of whom have over ten years of experience in top lithium-ion battery companies.

We are committed to innovation and excellence, ensuring that every solution reflects our commitment to the highest standards of performance and reliability. At nacci, we are dedicated to becoming the world's leading provider of lithium-ion battery system solutions, supporting the global transition to clean energy. Our mission is to contribute to the early achievement of carbon peaking and carbon neutrality goals, helping to shape a sustainable future that benefits future generations.

32,000㎡
Factory Area

8
Production Lines

90%
Product export countries

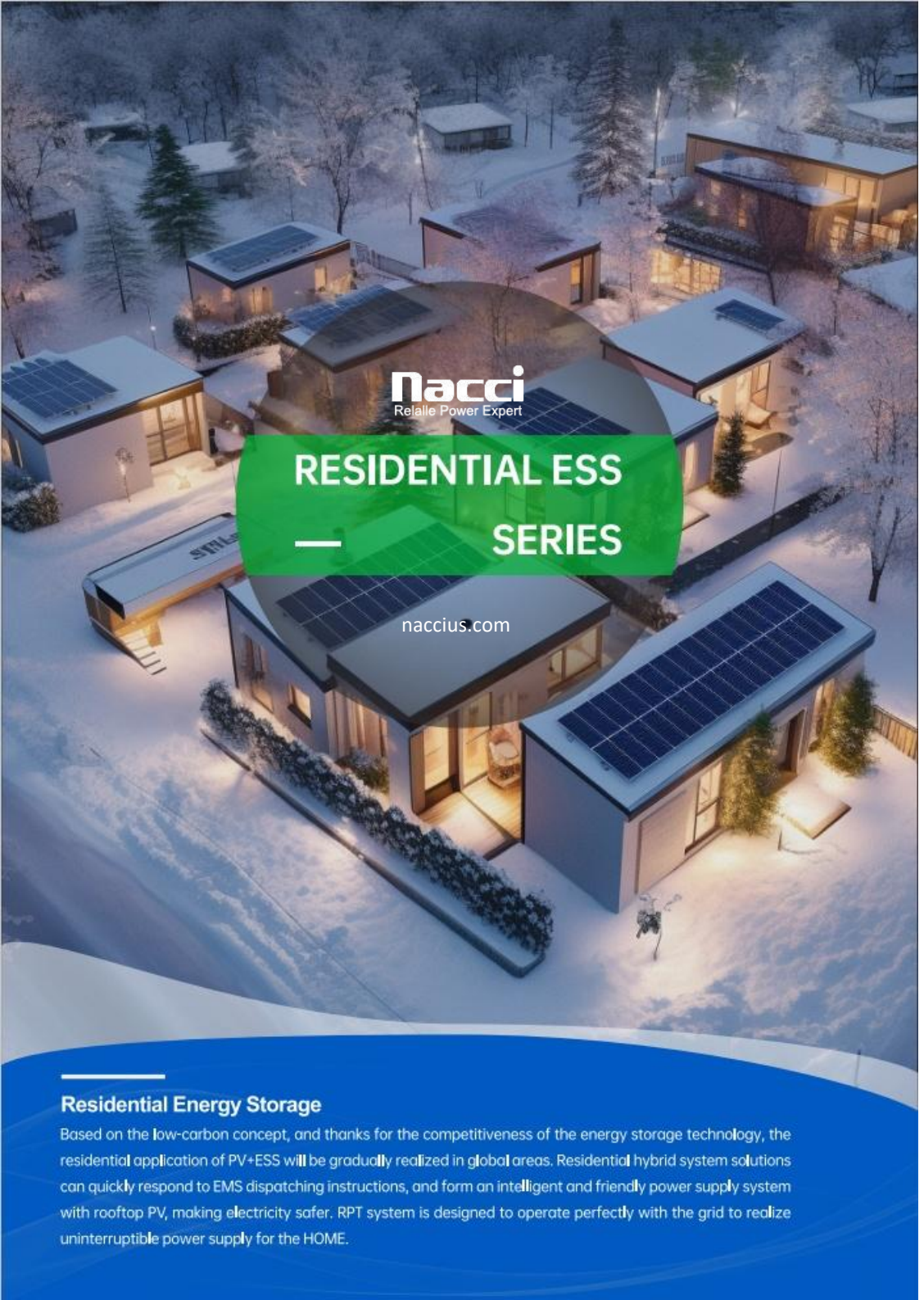
300+
More than 300 employees


Production Line


Production Workshop


Test Laboratory


Warehouse



Residential Energy Storage

Based on the low-carbon concept, and thanks for the competitiveness of the energy storage technology, the residential application of PV+ESS will be gradually realized in global areas. Residential hybrid system solutions can quickly respond to EMS dispatching instructions, and form an intelligent and friendly power supply system with rooftop PV, making electricity safer. RPT system is designed to operate perfectly with the grid to realize uninterruptible power supply for the HOME.

Wheel-Mounted Model

Optional Customization Types

- Multiple Modes Of Operation
- Customized Logo
- Multi-language Display
- Multiple Shell Colors
- Customized Capacity
- Customized Screen

Product Details

- **Advanced Safety:** Reliable LFP cells with intelligent BMS for secure operation.
- **Long Lifespan:** 6000+ cycles at 80% DoD, supported by a 5-year warranty.
- **Smart Monitoring:** Optional LCD, Bluetooth, and WiFi for real-time tracking.
- **Wide Compatibility:** Compatible with most inverters for easy integration.
- **Scalable Design:** Expandable up to 16 units to meet growing energy needs.

NC-HS-5K25-L-W1-UL

Rated Voltage	25.6V	51.2V	51.2V	51.2V	51.2V
Rated Capacity	200Ah	100Ah	200Ah	280Ah	560Ah
Rated Energy	5.12kWh	5.12kWh	10.24kWh	14.34kWh	28.67kWh
Output Voltage Range	21.6V~29.2V	43.2V~58.4V	43.2V~58.4V	43.2V~58.4V	43.2V~58.4V
Charging Voltage	28.8~29.2V	57.6~58.4V	57.6~58.4V	57.6~58.4V	57.6~58.4V
Cut-off Voltage	21.6V	43.2V	43.2V	43.2V	43.2V
Max. Charging Current	150A	100A	150A	200A	200A
Recommended Charging Current	50A	50A	50A	100A	100A
Max.Discharging Current	150A	100A	150A	200A	200A
Efficiency	>98%	>98%	>98%	>98%	>98%
Dimension L*W*H (mm)	600*480*200	600*480*200	750*640*200	700*550*255	850*870*255
Weight (kg)	≈45	≈45	≈95	≈117	≈215
Humidity	5%~95% Relative humidity				
Charging Temperature	0℃~55℃				
Discharging Temperature	-20℃~60℃				
Storage Temperature	-10℃~30℃				
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)				
Design Life	>10 years				
Operating Mode	Touch Screen				

Wheel-Mounted Model

Optional Customization Types

- Multiple Modes Of Operation
- Customized Logo
- Multi-language Display
- Multiple Shell Colors
- Customized Capacity
- Customized Screen

Product Details



- **Advanced Safety:** Reliable LFP cells with intelligent BMS for secure operation.
- **Long Lifespan:** 6000+ cycles at 80% DoD, supported by a 5-year warranty.
- **Smart Monitoring:** Optional LCD, Bluetooth, and WiFi for real-time tracking.
- **Wide Compatibility:** Compatible with most inverters for easy integration.
- **Scalable Design:** Expandable up to 16 units to meet growing energy needs.

NC-HS-14K51-L-W1-UL

Rated Voltage	51.2V	51.2V	51.2V	51.2V
Rated Capacity	280Ah	306Ah	314Ah	350Ah
Rated Energy	14.34kWh	15.67kWh	16.08kWh	17.92kWh
Output Voltage Range	43.2V~58.4V	43.2V~58.4V	43.2V~58.4V	43.2V~58.4V
Charging Voltage	57.6~58.4V	57.6~58.4V	57.6~58.4V	57.6~58.4V
Cut-off Voltage	43.2V	43.2V	43.2V	43.2V
Max. Charging Current	150A	150A	150A	150A
Recommended Charging Current	50A	50A	50A	50A
Max.Discharging Current	150A	150A	150A	150A
Efficiency	>98%	>98%	>98%	>98%
Dimension L*W*H (mm)	825*415*235	825*415*235	825*415*235	825*415*235
Weight (kg)	≈110	≈113	≈115	≈120
Humidity	5%~95% Relative humidity			
Charging Temperature	0℃~55℃			
Discharging Temperature	-20℃~60℃			
Storage Temperature	-10℃~30℃			
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)			
Design Life	>10 years			
Operating Mode	Touch Screen			

Wall-Mounted Model

NC-HS-2.5K25-L-W1-UL

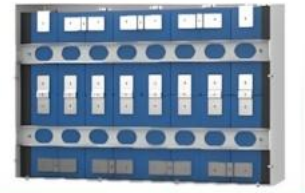
Rated Voltage	25.6V	48V	51.2V
Rated Capacity	100Ah	100Ah	100Ah
Rated Energy	2.56kWh	4.80kWh	5.12kWh
Output Voltage Range	21.6V~29.2V	40.5V~54.75V	43.2V~58.4V
Charging Voltage	28.8~29.2V	54.0~54.75V	57.6~58.4V
Cut-off Voltage	21.6V	40.5V	43.2V
Max. Charging Current	100A	100A	100A
Recommended Charging Current	50A	50A	50A
Max.Discharging Current	100A	100A	100A
Efficiency	>98%	>98%	>98%
Dimension L*W*H (mm)	480*370*165	510*475*150	510*475*150
Weight (kg)	≈25	≈45	≈49
Humidity	5%~95% Relative humidity		
Charging Temperature	0℃~55℃		
Discharging Temperature	-20℃~60℃		
Storage Temperature	-10℃~30℃		
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)		
Design Life	>10 years		
Operating Mode	Press Button		

Optional Customization Types

- Multiple Modes Of Operation
- Customized Logo
- Multiple Shell Colors
- Customized Capacity

Product Details





- **Enhanced Safety:** LFP cells with advanced BMS for reliable, stable operation.
- **Long-Lasting:** 6000+ cycles at 80% DoD for extended performance.
- **Easy Monitoring:** Button-operated screen for straightforward system control.
- **Broad Compatibility:** Compatible with most inverters for easy integration.
- **Scalable:** Expandable up to 16 units to meet increasing energy demands.

NC-HS-2.5K25-L-W2-UL

Rated Voltage	25.6V		51.2V	
Rated Capacity	100Ah	200Ah	100Ah	200Ah
Rated Energy	2.56kWh	5.12kWh	5.12kWh	10.24kWh
Output Voltage Range	21.6V~29.2V		43.2V~58.4V	
Charging Voltage	28.8~29.2V		57.6~58.4V	
Cut-off Voltage	21.6V		43.2V	
Max.Charging Current	100A		100A	
Recommended Charging Current	50A		50A	
Max.Discharging Current	100A		100A	
Efficiency	>98%			
Dimension L*W*H (mm)	434*384*142	650*384*142	650*384*142	680*415*235
Weight (kg)	≈25	≈45	≈45	≈86
Humidity	5%~95% Relative humidity			
Charging Temperature	0℃~55℃			
Discharging Temperature	-20℃~60℃			
Storage Temperature	-10℃~30℃			
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)			
Design Life	>10 years			
Operating Mode	Touch Screen			

Optional Customization Types

- Multiple Modes Of Operation
- Customized Logo
- Multiple Shell Colors
- Customized Capacity

Product Details

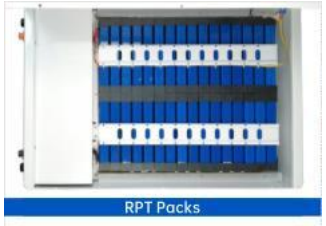
RPT Packs

- **High Safety Standards:** Reliable LFP cells with built-in BMS for maximum protection.
- **Long Lifespan:** Over 6000 cycles at 80% DoD, ensuring lasting performance.
- **Flexible Monitoring:** Optional LCD display, Bluetooth, and WiFi for convenient tracking.
- **Wide Compatibility:** Works with most inverters for easy system integration.
- **Expandable Capacity:** Can be expanded in parallel to meet growing energy needs.

Optional Customization Types

- Touchable Screen
- Customized Logo
- Multiple Shell Colors
- Customized Capacity

Product Details



RPT Packs

- **Enhanced Safety:** LFP cells with advanced BMS ensure maximum protection and stability.
- **Long-Lasting Performance:** 6000+ cycles at 80% DoD, with a 5-year warranty for peace of mind.
- **Intelligent Monitoring:** Optional LCD, Bluetooth, and WiFi for real-time performance tracking.
- **Broad Compatibility:** Seamlessly integrates with most inverter brands for effortless setup.
- **Scalable Design:** Supports up to 16 parallel connections, allowing flexible capacity expansion.

NC-HS-5K51-L-W1-UL

Rated Voltage	51.2V	
Rated Capacity	100Ah	200Ah
Rated Energy	5.12kWh	10.24kWh
Output Voltage Range	43.2V~58.4V	
Charging Voltage	57.6~58.4V	
Cut-off Voltage	43.2V	
Max. Charging Current	100A	
Recommended Charging Current	50A	
Max.Discharging Current	100A	
Efficiency	>98%	
Dimension L*W*H (mm)	495*540*217	495*780*217
Weight (kg)	≈48	≈92
Humidity	5%~95% Relative humidity	
Charging Temperature	0℃~55℃	
Discharging Temperature	-20℃~60℃	
Storage Temperature	-10℃~30℃	
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)	
Design Life	>10 years	
Operating Mode	Press Button	

Rack-Mounted Model

NC-HS-5K51-L-R1-UL

Rated Voltage	51.2V	
Rated Capacity	100Ah	200Ah
Rated Energy	5.12kWh	10.24kWh
Output Voltage Range	43.2V~58.4V	
Charging Voltage	57.6~58.4V	
Cut-off Voltage	43.2V	
Max. Charging Current	100A	
Recommended Charging Current	50A	
Max.Discharging Current	100A	
Efficiency	>98%	
Dimension L*W*H (mm)	480*442*155	680*442*226
Weight (kg)	≈47	≈82
Humidity	5%~95% Relative humidity	
Charging Temperature	0℃~55℃	
Discharging Temperature	-20℃~60℃	
Storage Temperature	-10℃~30℃	
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)	
Design Life	>10 years	
Operating Mode	Press Button	

Optional Customization Types

Racked Placement

Customized Logo

Multiple Shell Colors

Customized Capacity

Product Details

- **High Safety Standards:** Reliable LFP cells with built-in BMS for maximum protection.
- **Long Lifespan:** Over 6000 cycles at 80% DoD, ensuring lasting performance.
- **Flexible Monitoring:** Optional LCD display, Bluetooth, and WiFi for convenient tracking.
- **Wide Compatibility:** Works with most inverters for easy system integration.
- **Expandable Capacity:** Can be expanded in parallel to meet growing energy needs.

Stackable Model

Optional Customization Types

Stackable Quantity

Customized Logo

Multiple Shell Colors

Customized Capacity

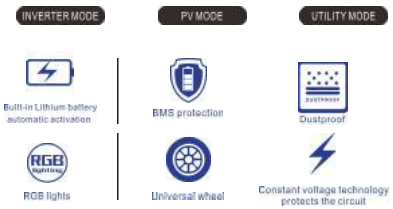
Product Details

- Long Life Circle, offers a lifespan of more than 5 years, ensuring durability and reliability
- Built-in BMS monitors and safeguards battery operation within design limits
- Easily expandable by adding parallel-connected expansion battery packs with each module providing
- Compact and Easy Installation, ideal for spaces with limitations, discreet installation with simplified maintenance compared to larger systems

NC-HS-5K51-L-R2-UL

Battery Module NO.	1 module	2 modules	3 modules	4 modules
Rated Voltage	51.2V			
Rated Capacity	100A			
Rated Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Output Voltage Range	43.2V~58.4V			
Charging Voltage	57.6~58.4V			
Cut-off Voltage	43.2V			
Max. Charging Current	100A	100A	100A	100A
Recommended Charging Current	50A	50A	50A	50A
Max.Discharging Current	100A	100A	100A	100A
Efficiency	>98%			
Dimension L*W*H (mm)	600*500*363	600*500*540	600*500*717	600*555*894
Weight (kg)	≈75	≈127	≈179	≈231
Humidity	5%~95% Relative humidity			
Charging Temperature	0℃~55℃			
Discharging Temperature	-20℃~60℃			
Storage Temperature	-10℃~30℃			
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)			
Design Life	>10 years			

NC-HS-6KHV-L-R1-UL

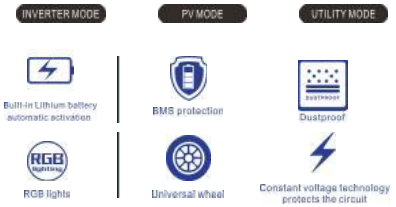


PV (DC Input)	
Recommended Max. PV Input Power	6000W
Max. Input Voltage	500V
MPPT Operating Voltage Range	85V-450V (@75V start up)
Number of MPPT	1
Max. Number of Input Strings Per MPPT	1
Max. input Current Per MPPT	27A
Max. Short-Circuit Current Per MPPT	35A
Grid (AC Input)	
Max output power	6000W
Max output current	50A
Rated grid voltage	220/230/240V (L, N, PE)
Rated grid frequency	50/60Hz
Acceptable range	170-280 Vac (for UPS) 90-280 Vac (for home application)
Battery Parameters (Bidirection)	
Battery type	LiFePO4
Battery voltage range	40-60 Vdc
Battery capacity	10.24kWh
Rated Battery Voltage	48Vdc/51.2Vdc
Max. charge/discharge current	120A / 130A
BMS Communication Mode	Software Version
Back-up Output (AC output)	
Rated output power	6000W/6000VA
Rated output current	27.3A
Rated output voltage / Frequency	220/230/240V (L, N, PE) 50/60Hz
Surge power	12000VA 5s
THDV (@ linear load)	< 3%
Efficiency	
Peak Efficiency	98%
Max. MPPT Efficiency	99.90%
IP Rating	IP21
General Parameters	
Operating temperature range	-10°C ~ 50°C
Relative humidity range	10%~95%
Max. operating altitude	>2000m derating
Standby self-consumption	<10 W
Installation type	Installation type
Cooling mode	Fan Cooling
Dimension D*W*H	450x450x515(mm)
Weight	≈118kg

Features

- Safe & Reliable: LiFePO4 battery with intelligent BMS for maximum protection
- Modular & Expandable: Scale from 10.24kWh to 51.2kWh, with customizable options.
- Smart Energy Management: WiFi/GPRS monitoring via iOS & Android
- High-Efficiency Charging: Built-in 120A MPPT solar controller, PV input 60-500VDC
- Rugged & Durable: Anti-dust design, ideal for harsh environments
- Seamless Power Supply: Dual output with pure sine wave inverter (on/off-grid)

NC-HS-12KHV-L-R1-UL

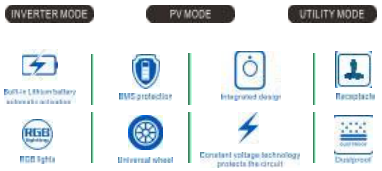


PV (DC Input)	
Recommended Max. PV Input Power	12000W
Max. Input Voltage	500V
MPPT Operating Voltage Range	85V-450V (@75V start up)
Number of MPPT	2
Max. Number of Input Strings Per MPPT	1
Max. input Current Per MPPT	27A/13A(MAX:40A)
Max. Short-Circuit Current Per MPPT	37A/17.5A
Grid (AC Input)	
Max output power	12000W
Max output current	70A
Rated grid voltage	220/230/240V (L, N, PE)
Rated grid frequency	50/60Hz
Acceptable range	170-280 Vac (for UPS) 90-280 Vac (for home application)
Battery Parameters (Bidirection)	
Battery type	LiFePO4
Battery voltage range	40-60 Vdc
Battery capacity	20.48kWh
Rated Battery Voltage	48Vdc/51.2Vdc
Max. charge/discharge current	210A / 240A
BMS Communication Mode	Software Version
Back-up Output (AC output)	
Rated output power	12000W/12000VA
Rated output current	54.5A
Rated output voltage / Frequency	220/230/240V (L, N, PE) 50/60Hz
Surge power	22000VA 5s
THDV (@ linear load)	< 3%
Efficiency	
Peak Efficiency	98%
Max. MPPT Efficiency	99.90%
IP Rating	IP21
General Parameters	
Operating temperature range	-10°C ~ 50°C
Relative humidity range	10%~95%
Max. operating altitude	>2000m derating
Standby self-consumption	<20 W
Installation type	Installation type
Cooling mode	Fan Cooling
Dimension D*W*H	800x440x365(mm)
Weight	≈170kg

Features

- Powerful & Efficient – 12kW pure sine wave inverter with 98% peak efficiency
- Smart Battery System – 20.48kWh LiFePO4 battery, intelligent BMS for safety
- High-Performance Solar Input – Supports 12kW PV, 60-500VDC, 120A MPPT
- Flexible Grid Integration – Works on/off-grid, supports UPS mode
- Reliable & Durable – Anti-dust design, IP21 protection, fan cooling system
- Compact & Practical – 800×440×365mm, optimized for home or business use

NC-HS-5K25-L-W2-UL



PV (DC Input)	
Recommended Max. PV Input Power	6000W
Max. Input Voltage	500V
MPPT Operating Voltage Range	85V-450V (@75V start up)
Number of MPPT	1
Max. Number of Input Strings Per MPPT	1
Max. input Current Per MPPT	27A
Max. Short-Circuit Current Per MPPT	35A
Grid (AC Input)	
Max output power	6000W
Max output current	50A
Rated grid voltage	220/230/240V (L, N, PE)
Rated grid frequency	50/60Hz
Acceptable range	170-280 Vac (for UPS) 90-280 Vac (for home application)
Battery Parameters (Bidirection)	
Battery type	LiFePO4
Battery voltage range	40-60 Vdc
Battery capacity	5.12kWh
Rated Battery Voltage	48Vdc/51.2Vdc
Max. charge/discharge current	120A / 130A
BMS Communication Mode	Software Version
Back-up Output (AC output)	
Rated output power	6000W/6000VA
Rated output current	27.3A
Rated output voltage / Frequency	220/230/240V (L, N, PE) 50/60Hz
Surge power	12000VA 5s
THDV (@ linear load)	< 3%
Efficiency	
Peak Efficiency	98%
Max. MPPT Efficiency	99.90%
IP Rating	IP21
General Parameters	
Operating temperature range	-10°C ~ 50°C
Relative humidity range	10%~95%
Max. operating altitude	>2000m derating
Standby self-consumption	<10 W
Installation type	Installation type
Cooling mode	Fan Cooling
Dimension D*W*H	510x440x270(mm)
Weight	≈58kg

Features

- **Safe & Reliable**: LiFePO4 battery with intelligent BMS for maximum protection
- **Smart Battery System:** 5.12kWh LiFePO4 battery ,Intelligent BMS for safety.
- **Smart Energy Management**: WiFi/GPRS monitoring via iOS & Android
- **High-Efficiency Charging**: Built-in 120A MPPT solar controller, PV input 60-500VDC
- **Rugged & Durable**: Anti-dust design, ideal for harsh environments
- **Seamless Power Supply**: Dual output with pure sine wave inverter (on/off-grid)

NC-HS-12KHV-L-W1-UL

PV (DC Input)	
Recommended Max. PV Input Power	12000W
Max. Input Voltage	500V
MPPT Operating Voltage Range	85V-450V (@75V start up)
Number of MPPT	2
Max. Number of Input Strings Per MPPT	1
Max. input Current Per MPPT	27A/13A(MAX:40A)
Max. Short-Circuit Current Per MPPT	37A/17.5A
Grid (AC Input)	
Max output power	12000W
Max output current	70A
Rated grid voltage	220/230/240V (L, N, PE)
Rated grid frequency	50/60Hz
Acceptable range	170-280 Vac (for UPS) 90-280 Vac (for home application)
Battery Parameters (Bidirection)	
Battery type	LiFePO4
Battery voltage range	40-60 Vdc
Battery capacity	15.36kWh
Rated Battery Voltage	48Vdc/51.2Vdc
Max. charge/discharge current	210A / 240A
BMS Communication Mode	Software Version
Back-up Output (AC output)	
Rated output power	12000W/12000VA
Rated output current	54.5A
Rated output voltage / Frequency	220/230/240V (L, N, PE) 50/60Hz
Surge power	22000VA 5s
THDV (@ linear load)	< 3%
Efficiency	
Peak Efficiency	98%
Max. MPPT Efficiency	99.90%
IP Rating	IP21
General Parameters	
Operating temperature range	-10°C ~ 50°C
Relative humidity range	10%~95%
Max. operating altitude	>2000m derating
Standby self-consumption	<20 W
Installation type	Installation type
Cooling mode	Fan Cooling
Dimension D*W*H	650x360x970(mm)
Weight	≈160.5kg

Features

- **Powerful & Efficient :** 12kW pure sine wave inverter with 98% peak efficiency
- **Smart Battery System:** 15.36kWh LiFePO4 battery, intelligent BMS for safety
- **High-Performance Solar Input:** Supports 12kW PV, 60-500VDC, 120A MPPT
- **Flexible Grid Integration:** Works on/off-grid, supports UPS mode
- **Reliable & Durable:** Anti-dust design, IP21 protection, fan cooling system
- **Compact & Practical:** 800×440×365mm, optimized for home or business use

NC-HS-6KHV-L-W1-UL

PV (DC Input)	
Recommended Max. PV Input Power	6000W
Max. Input Voltage	500V
MPPT Operating Voltage Range	85V-450V (@75V start up)
Number of MPPT	1
Max. Number of Input Strings Per MPPT	1
Max. input Current Per MPPT	27A
Max. Short-Circuit Current Per MPPT	35A
Grid (AC Input)	
Max output power	6000W
Max output current	50A
Rated grid voltage	220/230/240V (L, N, PE)
Rated grid frequency	50/60Hz
Acceptable range	170-280 Vac (for UPS) 90-280 Vac (for home application)
Battery Parameters (Bidirection)	
Battery type	LiFePO4
Battery voltage range	40-60 Vdc
Battery capacity	5.12kWh
Rated Battery Voltage	48Vdc/51.2Vdc
Max. charge/discharge current	120A / 130A
BMS Communication Mode	Software Version
Back-up Output (AC output)	
Rated output power	6000W/6000VA
Rated output current	27.3A
Rated output voltage / Frequency	220/230/240V (L, N, PE) 50/60Hz
Surge power	12000VA 5s
THDV (@ linear load)	< 3%
Efficiency	
Peak Efficiency	98%
Max. MPPT Efficiency	99.90%
IP Rating	IP21
General Parameters	
Operating temperature range	-10°C ~ 50°C
Relative humidity range	10%~95%
Max. operating altitude	>2000m derating
Standby self-consumption	<10 W
Installation type	Installation type
Cooling mode	Fan Cooling
Dimension D*W*H	700x245x1330(mm)
Weight	≈85kg

Optional Customization Types

- Touchable Screen
- Customized Logo
- Multiple Shell Colors
- Customized Capacity

Features

- **Floor-Standing, Wall-Mounted:** Versatile all-in-one unit, designed for easy placement against the wall, saving space while offering high capacity.
- **Integrated System:** Combines energy storage & inverter in a single, compact, & reliable unit.
- **Real-Time Monitoring:** LCD display for instant feedback on system performance and status.
- **Quick Installation:** Easy setup with plug-and-play functionality for residential use.
- **Customizable Design:** Options for customized logos, colors, and capacities to match specific requirements.

NC-HS-2K51-L-R1-UL

General Parameters	
Nominal Voltage	51.2
Module Capacity	50Ah
Nominal Energy	2.56kWh
Allowed Modules in Series	8
System Nominal Voltage	409.6V
Operating Voltage Range	354.8~441.6V
System Energy	20.48kWh
Max. Charging/Discharging Current	50A
Recommended Charging/ Discharge Current	25A
Peak Current	75A@2S
Dimension (W/D/H, mm)	Approx 650*360*1500
Temperature (℃)	Discharging: -20~55℃ Charging: 0℃~55℃ Storage:0-45℃
IP Rating	IP55 (Natural Heat Dissipation)
Recommended Depth of Discharge	80%
Cycle Life	0.5C/0.5C ,25℃ , 6000 times
Warranty	5 years
Certification	CE,UN38.3
High Voltage Box	
Working Voltage Range	100~700Vdc
Nominal Charge & Discharge Current	50A
Max.Charge and Discharge Current	125A (160A, 200A, 250A optional)
AC Input Rating	85V~264Vac1A max.
Operating Temperature Range	-20~60
Dimension(W/D/H,mm)	650*360*172
Approximate Weight	12kg
Lithium Iron Phosphate Battery	
Nominal Voltage	51.2V
Rated Capacity	50Ah
Rated Energy	5.12kWh
Nominal Charge & Discharge Current	25
Peak Discharge Current(A)@2s	75@2s
Dimension(W/D/H,mm)	650*360*133
Approximate Weight	30kg

Features

- **Modular Design:** Scalable system with flexible energy storage to adapt to residential needs.
- **High-Efficiency Power:** Reliable and efficient energy output for consistent performance.
- **Seamless Integration:** Easy installation with integrated storage modules & high-voltage box.
- **Advanced Display:** Colorful LCD screen for real-time system monitoring & performance tracking.
- **Safety & Stability:** Equipped with an advanced BMS for enhanced system protection.
- **Customizable:** Tailored options for logos, colors, and configurations to fit specific requirements.

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C & I ESS SERIES

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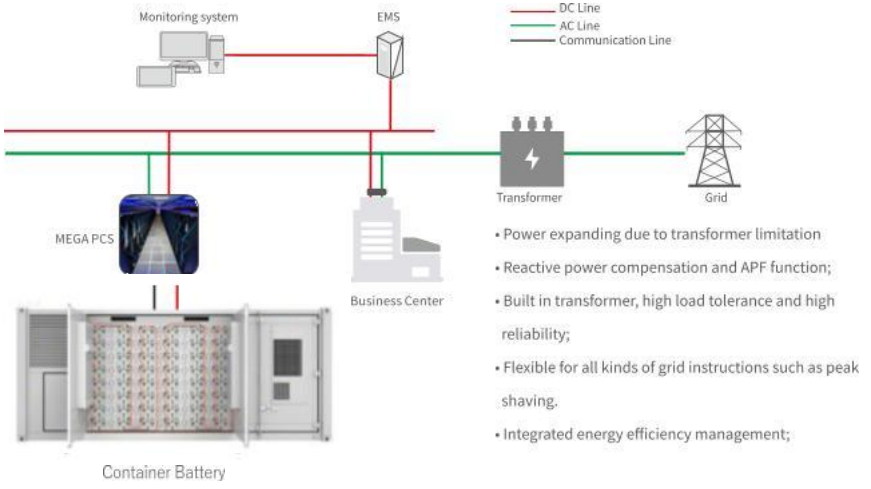
Commercial ESS Solution

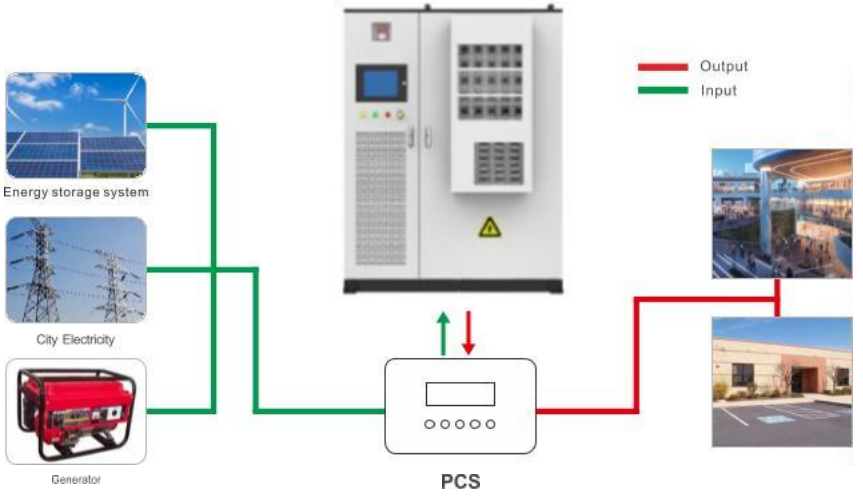
Industrial and commercial energy storage systems can not only realize peak shaving, but also reduce transformer capacity costs. RPT energy storage systems can achieve 98.7% conversion efficiency, increase the return on investment(ROI) for users.

Electrical Schematics



- Power expanding due to transformer limitation
- Reactive power compensation and APF function;
- Built in transformer, high load tolerance and high reliability;
- Flexible for all kinds of grid instructions such as peak shaving.
- Integrated energy efficiency management;

Application Process



High Voltage Lithium Ion Battery Energy Storage System

NC-CI-100K-L-R1-UL

SYSTEM PARAMETERS

Battery System Parameters	
Battery Module Type	51.2V
Battery Module Number	7
Battery Module Dimension	442*750*230mm
Battery System Voltage	358.4V
Battery Capacity	280Ah
Normal Energy	100kWh
Battery Max Charge Current	80A
Battery Max Discharge Current	800A
Charge Voltage	386.4V
Cut-off Voltage	313.6V
50kw Inverter Parameters	
Battery Parameters	
Max Battery Voltage	850V
Min Battery Voltage	160V
Normal Voltage Range	320V~850V
Max Charge/Discharge Current	80A*2
PV Parameter	
Max Power	30kW*2
Max PV Voltage	850V
PV Start Voltage	250V
MPPT Voltage Range	200V~830V
Max PV Current	(25A+25A)*2
On Grid	
Normal Power	25kVA*2
Normal Current	36.2A*2
AC voltage	400V/230V
AC voltage range	-20%~15%
Frequency Range	(50Hz/47Hz~52Hz) (60Hz/57Hz~62Hz)
Power Factor	-0.8~0.8
Off Grid	
Normal Power	25kVA*2
Max Out Power	27.5KVA*2
Normal Current	36.2A*2
Max Output Current	40A*2
AC Voltage	400V/230V
Output Voltage Harmonics	<3%(resistive load)
Degree Of Unbalance	100%
Frequency Range	50/60HZ
Overload	(39.88A<I load≤45A/100s 45A<I load≤54A/100ms)*2

System parameters

Communication Port	EMS:RS485 Battery:CAN or RS485
DIDO	DI*2 DO*2
Efficiency	97%
Module Weight	35kg*2
Dimension	440*560*183mm
IP Rate	IP20
Work Temperature Range	-30~60℃
Humidity	5~95% RH
Cooling	FAN
Inverter Certificate	CE, IEC62019, IEC62477 IEC6100, EN50549
Cabinet	
Cooling	Air conditioner
System Weight	≈1430kg
Dimension	Approx 1000*1450*2100mm
Inverter Installation	Built-in Cabinet

Product Details

- High Power & Capacity: Available in 30kW-50kWh and 50kW-100kWh models to meet diverse energy needs.
- Efficient Performance: Reliable, high-efficiency LiFePO4 batteries with long lifespan.
- Scalable Solution: Modular design for easy capacity expansion.
- Advanced Protection: Integrated safety features, including fire protection & overcharge protection.
- Easy Installation: 19-inch rack design for quick setup and maintenance.
- Smart Monitoring: Real-time monitoring and management via remote access.

NC-CI-50K204-L-R1-UL

SYSTEM PARAMETERS

Battery System Parameters	
Battery Module Type	51.2V
Battery Module Number	4
Battery Module Dimension	442*750*230mm
Battery System Voltage	204.8V
Battery Capacity	280Ah
Normal Energy	50kWh
Battery Max Charge Current	100A
Battery Max Discharge Current	100A
Charge Voltage	220.8V
Cut-off Voltage	179.2V
30kw Inverter Parameters	
Battery Parameters	
Max Battery Voltage	850V
Min Battery Voltage	160V
Normal Voltage Range	320V~850V
Max Charge/Discharge Current	100A
PV Parameter	
Max Power	19.2kW+19.2kW
Max PV Voltage	850V
PV Start Voltage	250V
MPPT Voltage Range	200V~830V
Max PV Current	32A+32A
On Grid	
Normal Power	18kVA
Normal Current	26A
AC voltage	400V/230V
AC voltage range	-20%~15%
Frequency Range	(50Hz/47Hz~52Hz) (60Hz/57Hz~62Hz)
Power Factor	-0.8~0.8
Off Grid	
Normal Power	18kVA
Max Out Power	21KVA
Normal Current	26A
Max Output Current	30A
AC Voltage	400V/230V
Output Voltage Harmonics	<3%(resistive load)
Degree Of Unbalance	100%
Frequency Range	50/60HZ
Overload	28.6A<I load≤32.5A/100s 32.5A<I load≤39A/100ms

System parameters

Communication Port	EMS:RS485 Battery:CAN or RS485
DIDO	DI*2 DO*2
Efficiency	97%
Module Weight	35kg
Dimension	440*560*183mm
IP Rate	IP20
Work Temperature Range	-30~60℃
Humidity	5~95% RH
Cooling	FAN
Inverter Certificate	CE, IEC62019, IEC62477 IEC6100, EN50549
Cabinet	
Cooling	Air conditioner
System Weight	≈915kg
Dimension	Approx 800*1450*2100mm
Inverter Installation	Built-in Cabinet

Product Details

- High Power & Capacity: Available in 30kW-50kWh and 50kW-100kWh models to meet diverse energy needs.
- Efficient Performance: Reliable, high-efficiency LiFePO4 batteries with long lifespan.
- Scalable Solution: Modular design for easy capacity expansion.
- Advanced Protection: Integrated safety features, including fire protection & overcharge protection.
- Easy Installation: 19-inch rack design for quick setup and maintenance.
- Smart Monitoring: Real-time monitoring and management via remote access.

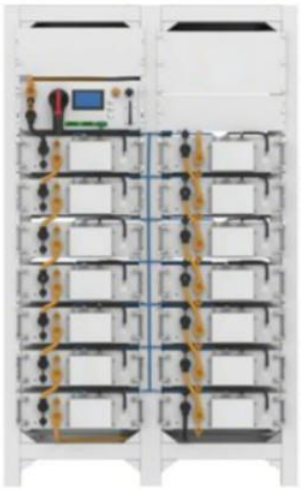
High Voltage Lithium Ion Battery Energy Storage System

Application Scenarios



- **Safety & Reliability**
  - Air conditioner in cabinet, fans & fire extinguishing device in battery module
  - LiFePO4 battery with higher safety & longer lifetime
  - Three-layer architecture built in BMU+RBMS+SBMS for multiple protection
- **Convenience**
  - Standard 19 inch rack design for easy installation and maintenance
  - Supporting USB upgrade software
  - Touchable screen design for choosing different communication protocol
- **Flexibility**
  - Standard modular design with 5.12kWh per battery modules
  - Flexible design from 4~14 battery modules in series
  - Flexible capacity & power scalability with up to 8 clusters in parallel

NC-CI-5KHV-L-R1-UL



Module Energy	5.12 kWh	
Module Nominal Voltage	51.2V	
Module Capacity	100A	
Battery Module Qty 1 in Series	12	14
System Nominal Voltage (V)	614.4V	716.8V
Charge Voltage (V)	662.4V~691.2V	772.8V~806.4V
Cut-Off Discharge Voltage(V)	537.6V	627.2V
Float Charge Voltage(V)	652.8V	761.6V
System Energy	61.44kWh	71.68kWh
Recommend Depth of Discharge	80%	
Storage Temperature	0~45°C	
Communication Port	CAN/RS485	
Status Indicator	RUN-Green Light;Alarm-Red Light	
IP Rating of Enclosure	IP20	
Dimension (W/D/H, mm)	1100*600*1600	1100*600*1600
Installation Location	Rack/ Cabinet,Indoor	
Cycle Life	⩾4000 cycles at 0.5C/0.5C ,25°C	
Warranty	5 years	
Certification	IEC62619,UN38.3,MSDS	

NC-CI-35KHV-L-R1-UL

Module Energy	5.12 kWh	
Module Nominal Voltage	51.2V	
Module Capacity	100A	
Battery Module Qty 1 in Series	7	10
System Nominal Voltage (V)	358.4V	512V
Charge Voltage (V)	386.4V~403.2V	552V~576V
Cut-Off Discharge Voltage(V)	313.6V	446V
Float Charge Voltage(V)	380.8V	544V
System Energy	35.84kWh	51.20kWh
Recommend Depth of Discharge	80%	
Storage Temperature	0~45°C	
Communication Port	CAN/RS485	
Status Indicator	RUN-Green Light;Alarm-Red Light	
IP Rating of Enclosure	IP20	
Dimension (W/D/H, mm)	600*920*2000	600*920*2000
Installation Location	Rack/ Cabinet,Indoor	
Cycle Life	⩾4000 cycles at 0.5C/0.5C ,25°C	
Warranty	5 years	
Certification	IEC62619,UN38.3,MSDS	

Product Details



- **Safety & Reliability**
  - Air conditioner in cabinet, fans & fire extinguishing device in battery module
  - LiFePO4 battery with higher safety & longer lifetime
  - Three-layer architecture built in BMU+RBMS+SBMS for multiple protection
- **Convenience**
  - Standard 19 inch rack design for easy installation and maintenance
  - Supporting USB upgrade software
  - Touchable screen design for choosing different communication protocol
- **Flexibility**
  - Standard modular design with 5.12kWh per battery modules
  - Flexible design from 4~14 battery modules in series
  - Flexible capacity & power scalability with up to 8 clusters in parallel

NC-CI-100K-L-R2-UL

Battery Parameters

Cell Chemistry	LiFePO4
Module Energy	10.24 kWh
Module Nominal Voltage	51.2V
Module Capacity	200Ah
Battery Module Qty	10
System Energy	102.4kWh
System Nominal Voltage	512V
Operating Voltage Range	448V~576V
Charge/Discharge Efficiency	Max.0.5C
Dimension(W*D*H)	1200*1000*2150mm
Weight	1430KG
Operating Temperature Range	-25C ~ +50°C
Cooling Method	Air Conditioner

Inverter Parameters

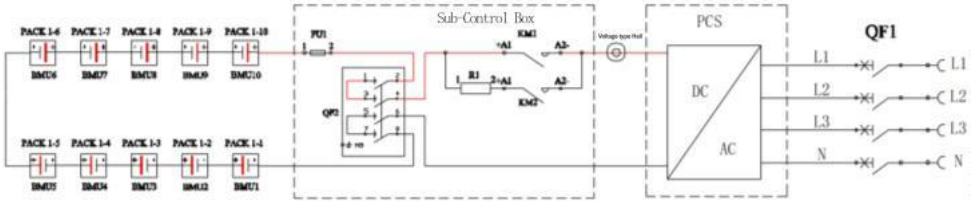
DC - PV	
Max. PV Voltage	1000V
MPPT Range/Nominal	180V~1000V
Max. Input Current/String	36A*2
Qty.of MPPT	4
Max. Input Power/String	50kW
AC-On-Grid	
Rated AC Output Power	50kW
Max. AC Output Power	50kVA
Max.AC Current	75A
Rated AC Voltage	400V 3L/N/PE
Rated Grid Frequency/Range	50/60Hz ± 5Hz
AC Current Harmonics	< 3% (100% LOAD)

AC-Off-Grid	
Rated AC Voltage	400V 3L/N/PE
Rated Grid Frequency/Range	50/60Hz
Rated AC Output Power	50KW
Max. AC Charge/Discharge Current	75A
Switch Time	≤10ms

Product Details

- **Safety & Reliability**
  - LiFePO4 battery with higher safety & longer lifetime
  - 1+1 redundant design
- **Simple & Friendly**
  - Easy installation, pre-installed before delivery
  - Backup time with 2-5 hours
- **Cost-Effective & High Efficiency**
  - 100% DOD, improve return on investment

Electrical Primary Diagram



- 100kW peak power for demanding commercial and industrial applications.
- 215kWh capacity for long-lasting energy supply.
- Advanced BMS for enhanced performance and battery life.
- Rapid charge/discharge cycles for optimal efficiency.
- Modular design for flexible capacity expansion.
- Reliable cooling and robust construction for stable operation.
- Remote monitoring and management for ease of use.
- Supports renewable energy and reduces carbon footprint.

NC-CI-215K-L-R1-UL

Rated Battery Capacity	215kWh
Nominal Voltage	AC400V
Charge & Discharge Rate	≤0.5CP
Cooling Method	Intelligent air cooling
Auxiliary electrical parameters	50Hz/60Hz
Fireprotection system	S type aerosol
Anti-corrosion level	C3
IP Rating	IP54
Operating temperature range	-20 ~ 50°C
Storage temperature	-20 ~ 55°C
Operating humidity range	0~95% RH
Operating Condition	Maximum 2 charges & 2 discharges per day
System communication interface	Ethernet/RS485/CAN
External communication protocol	Modbus TCP/IEC61850/Modbus RTU
Altitude	Within 3000m
Dimension[mm] (D*W*H)	1740*1100*2330
Weight(kg)	≤2400
Certification	CE / EN IEC 6100 / UN38.3
Installation method	Outdoor

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TELECOM BATTERY SERIES

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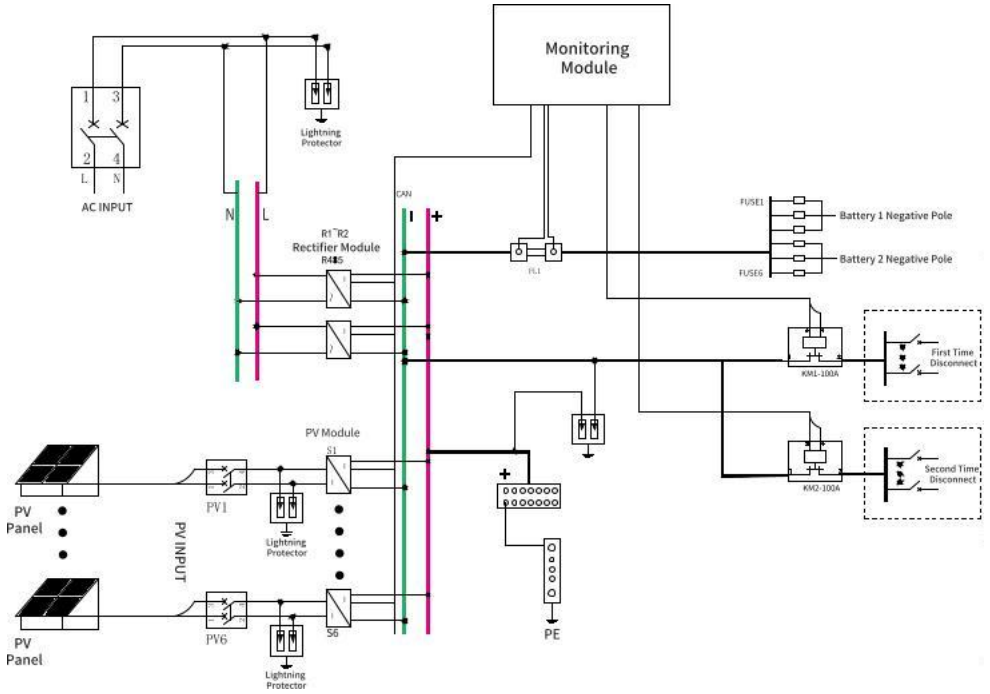
Telecom Solution

Outdoor communication/network equipment is usually used in the corners of the city, remote roads, mountainous areas, etc. The environment is very harsh, such as high temperature (50 ° C) severe (minus 40 ° C), dust, high temperature humidity, rainwater, sour mist, acid mist Eclipse and so on. The refore, the power supply of outdoor communication base stations meet strict temperature conditions, humidity conditions, air conditions, etc. At the same time meet the requirements of outdoor grids.

Electrical Schematics



Application Scenarios

Rural & Remote Areas

Along High-speedrailways & highways

Emergency Disaster Relief Sites

NC-PB-240W48-L-W1-UL

Rated Voltage	48V		
Rated Capacity	5Ah	10Ah	20Ah
Rated Energy	240Wh	480Wh	960Wh
Output Voltage Range	42.0V~54.0V		
Charging Voltage	52.5~53.5V		
Cut-off Voltage	42V		
Max. Charging Current	5A	10A	20A
Recommended Charging Current	2.5A	5A	10A
Max.Discharging Current	10A	20A	40A
Efficiency	>98%		
Dimension L*W*H (mm)	380*220*145	380*220*145	455*290*145
Weight (kg)	≈8.72	≈9.8	≈16.66
Humidity	5%~95% Relative humidity		
Charging Temperature	0℃~55℃		
Discharging Temperature	-20℃~55℃		
Storage Temperature	-10℃~30℃		
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)		
Design Life	>10 years		

Optional Customization Types

- Customized Logo
- Multiple Shell Colors
- Customized Capacity
- Optional BMS

Product Details

- **Superior Quality Square LiFePO4 Battery**
  - Higher energy density and cycle life, superior electrical performance, safety and environmental protection without pollution
- **Long cycle life**
  - Using high-quality LiFePO4 batteries, charging and discharging at normal temperature, the capacity of the monomer after 6000 cycles is still greater than 80%
- **Good safety performance**
  - In the extreme safety performance test, the battery does not fire, does not explode, and has no leakage, making it safer to use

Optional Customization Types

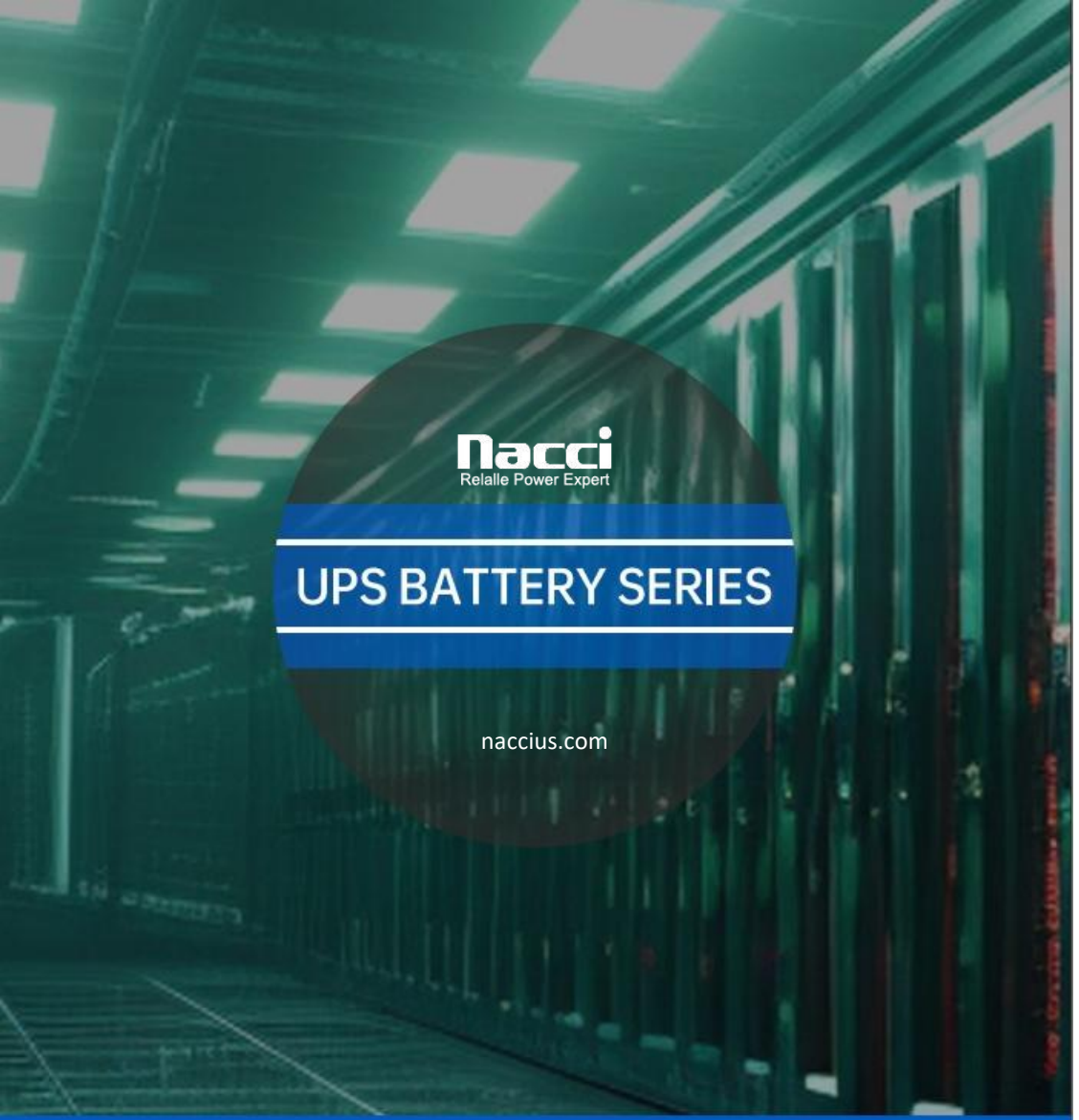
- Racked Placement
- Customized Logo
- Multiple Shell Colors
- Customized Capacity

Product Details

- LFP (lithium iron phosphate) cell to ensure the highest safety
- Built-In BMS protects the cell such as temperature, current, voltage, SoC, SoH
- Extra long cycle life times with 6000 cycles with 80% DoD
- Compatible with most of the available inverters
- Possibility of parallel connection with up to 16 pieces

NC-PB-2KW48-L-W1-UL

Rated Voltage	48V			
Rated Capacity	50Ah	100Ah	150Ah	200Ah
Rated Energy	2.40kWh	4.80kWh	7.20kWh	9.60kWh
Output Voltage Range	42.0V~54.0V			
Charging Voltage	52.5~53.5V			
Cut-off Voltage	40.5V			
Max. Charging Current	50A	100A	100A	100A
Recommended Charging Current	25A	50A	50A	50A
Max.Discharging Current	50A	100A	100A	100A
Efficiency	>98%			
Dimension L*W*H (mm)	480*442*135	480*442*155	500*442*200	680*442*226
Weight (kg)	≈28	≈45	≈58	≈86
Humidity	5%~95% Relative humidity			
Charging Temperature	0℃~55℃			
Discharging Temperature	-10℃~60℃			
Storage Temperature	-10℃~30℃			
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)			
Design Life	>10 years			



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UPS BATTERY SERIES

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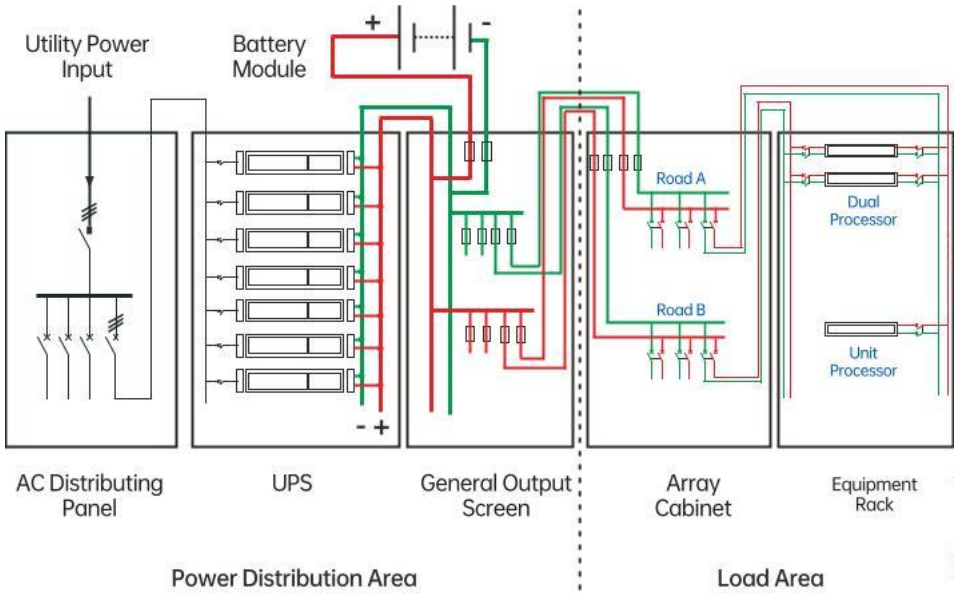
High Voltage LifePO4 Battery For UPS

The main functions of high -voltage UPS (uninterrupted power supply) include providing stable power supply, protecting electrical equipment, improving work efficiency, stable voltage, preventing data loss, remote monitoring, extending battery life, improving power quality, energy saving, environmental protection, safe, reliable, and adaptation different environments

Electrical Schematics



Application Scenarios

Data Centers

Transportation Systems

Home & Residential Areas

Application Scenarios

Data Center

Telecommunications equipment and surveillance systems

Industrial Process Control

NC-UP-9K192-L-R1-UL

Rated Voltage	192V		384V	480V	512V
Rated Capacity	50Ah	100Ah	100Ah	100Ah	100Ah
Rated Energy	9.60kWh	19.20kWh	38.40kWh	48.00kWh	51.20kWh
Output Voltage Range	162V~216V		324V~432V	420.0V~540.0V	432V~576V
Charging Voltage	216V		432V	540.0V	552V
Cut-off Voltage	162V		324V	420.0V	432V
Max. Charging Current	50A	100A	100A	100A	100A
Recommended Charging Current	25A	50A	50A	100A	100A
Max.Discharging Current	50A	100A	100A	100A	100A
Efficiency	>98%				
Dimension L*W*H (mm)	600*800*1200	600*1000*1200	600*1000*2000	1200*1000*2000	1200*1200*2000
Weight (kg)	≈190	≈230	≈550	≈950	≈1039
Humidity	5%~95% Relative humidity				
Charging Temperature	0℃~55℃				
Discharging Temperature	-20℃~60℃				
Storage Temperature	-10℃~30℃				
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)				
Design Life	>10 years				

Optional Customization Types

Racked Placement

Customized Logo

Multiple Shell Colors

Customized Capacity

Product Details

- Higher Energy Density, Compact Design, delivers higher energy density, longer life circle etc
- Built-in BMS management system with comprehensive protection and monitoring and control functions
- Support CAN & RS485 communication with UPS or PCS
- Environmental protection and pollution-free materials, no heavy metals, green and environmental protection
- Accurately estimate the state of charge of the battery pack, that is, the remaining power of the battery, to ensure that the power of the battery pack is maintained within a reasonable range

AGV Power Battery

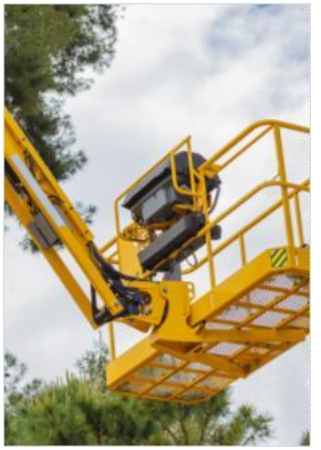
Our AGV & Motive Lithium Battery is designed for automated guided vehicles (AGVs) and electric-powered equipment, delivering high efficiency, fast charging, and long lifespan. With an advanced Battery Management System (BMS), it ensures reliable performance, safety, and real-time monitoring. Ideal for industrial automation, logistics, and transportation, this battery enhances productivity while reducing maintenance costs.

Application Scenarios

Park Vehicles

Golf Carts

Industrial Cleaning Equipment



Aerial Work Platforms

Unmanned Forklifts

Automated Guided Vehicles

NC-TR-3K36-L-1-UL

Rated Voltage	36V	51.2V
Rated Capacity	105Ah	105Ah
Rated Energy	3.78kWh	5.38kWh
Output Voltage Range	33.6V~43.2V	44.8V~57.6V
Charging Voltage	41.4~43.2V	44.8~57.6V
Cut-off Voltage	33.6V	44.8V
Max. Charging Current	100A	100A
Recommended Charging Current	25A	25A
Max.Discharging Current	200A	150A
Efficiency	>98%	
Dimension L*W*H (mm)	400*335*255	375*310*285
Weight (kg)	≈36.5	≈41.5
Humidity	5%~95% Relative humidity	
Charging Temperature	-20℃~50℃	
Discharging Temperature	-20℃~55℃	
Storage Temperature	-10℃~30℃	
Cycle Life	>3000 times (0.5C, @25℃, 80%DOD)	
Design Life	>10 years	

Optional Customization Types

OEM/ODM Service

Mutiple Case Colors

Logo Customization

Capacity & BMS Customization

Product Details

- **Electric Power:** Both are typically powered by batteries, making them eco-friendly.
- **Automated/Manual Operation:** Golf carts can be driven manually or with some automated features; AGVs are fully automated.
- **Compact Design:** Both are designed to be compact & maneuverable in tight spaces.
- **Navigation:** AGVs follow predetermined paths using sensors, while golf carts often use manual steering but may include GPS for navigation.
- **Utility:** Both are used for transportation, with golf carts primarily for leisure & AGVs for industrial tasks.

Optional Customization Types

OEM/ODM Service

Shell Color Options

Logo Customization

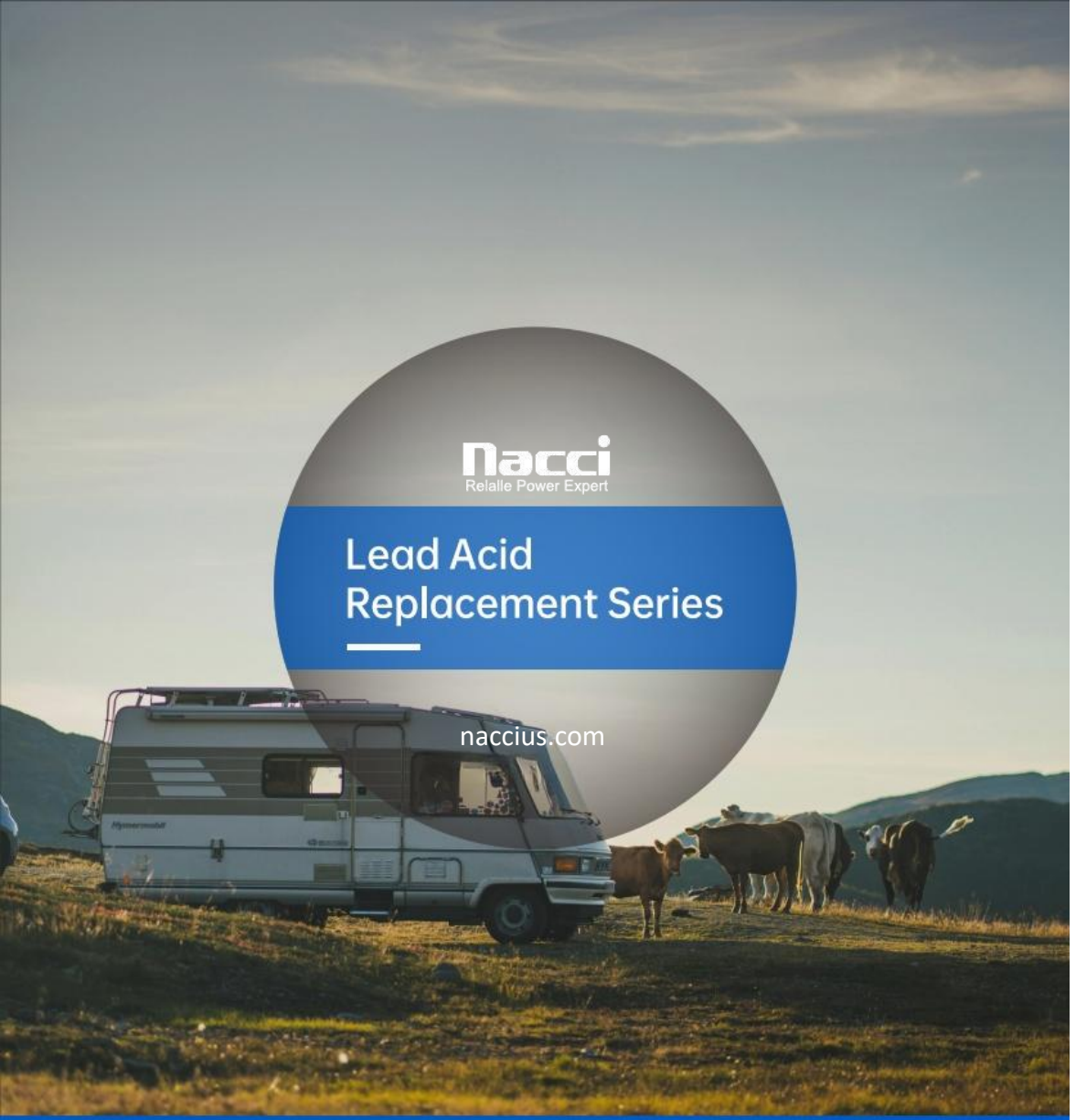
Capacity & BMS Customization

Product Details

- **Electric Power:** Both are typically powered by batteries, making them eco-friendly.
- **Automated/Manual Operation:** Golf carts can be driven manually or with some automated features; AGVs are fully automated.
- **Compact Design:** Both are designed to be compact & maneuverable in tight spaces.
- **Navigation:** AGVs follow predetermined paths using sensors, while golf carts often use manual steering but may include GPS for navigation.
- **Utility:** Both are used for transportation, with golf carts primarily for leisure & AGVs for industrial tasks.

NC-TR-7K51-L-1-UL

Rated Voltage	51.2V	72V
Rated Capacity	150Ah	105Ah
Rated Energy	7.68kWh	7.56kWh
Output Voltage Range	44.8V~57.6V	67.2V~86.4V
Charging Voltage	55.2~57.6V	84~85.2V
Cut-off Voltage	43.2V	64.8V
Max. Charging Current	50A	100A
Recommended Charging Current	25A	25A
Max.Discharging Current	100A	200A
Efficiency	>98%	
Dimension L*W*H (mm)	560*355*250	650*335*245
Weight (kg)	≈60.5	≈64
Humidity	5%~95% Relative humidity	
Charging Temperature	-20℃~50℃	
Discharging Temperature	-20℃~55℃	
Storage Temperature	-10℃~30℃	
Cycle Life	>3000 times (0.5C, @25℃, 80%DOD)	
Design Life	>10 years	



Lead Acid Replacement

The process of upgrading the traditional lead -acid battery to a lithium battery. This technology involves replacing electrode materials and using new electrolytes, thereby converting the advantages of lead -acid batteries into the characteristics of lithium batteries. This change is usually to obtain higher endurance and longer service life.

Various Charging Methods

Solar Charging

Generator Charging

Mains power & Charger Charging

Application Scenarios

Home Backup Power

Small UPS

Booth Lighting

Marine

Outdoor Work

RV Power

Optional Customization Types

- Customized Logo
- Mutiple Case Colors
- Customized Capacity
- Optional BMS

Product Details

- LCD/Bluetooth/Heat device option, with APP
- Dismountable screw lid, easy to open and check the condition inside such as BMS board, battery cell/voltage/battery capacity, etc
- Optional BMS board capacity, 50AH/100A/150A/200A, etc...
- Battery shell color and pattern can be customized upon request
- Portable rope could be made or not per need (SLA battery case)


Outdoor Camping


Office Equipment


Electrical Tools

NC-PB-640W12-L-P1-UL

Rated Voltage	12.8V				
Rated Capacity	50Ah	100Ah	150Ah	200Ah	300Ah
Rated Energy	640Wh	1280Wh	1920Wh	2560Wh	3840Wh
Output Voltage Range	10.8V~14.6V				
Charging Voltage	14V~14.6V				
Cut-off Voltage	10.8V				
Max. Charging Current	50A	100A	150A	200A	200A
Recommended Charging Current	50A	50A	50A	50A	50A
Max.Discharging Current	50A	100A	100A	200A	100A
Efficiency	>98%				
Dimension L*W*H (mm)	198*166*170	330*170*228	330*170*228	484*171*240	417*184*270
Weight (kg)	6.15	9.8	13.5	18.25	25
Humidity	5%~95% Relative humidity				
Charging Temperature	0℃~60℃				
Discharging Temperature	-20℃~60℃				
Storage Temperature	-10℃~30℃				
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)				
Design Life	>10 years				

Rated Voltage	25.6V			
Rated Capacity	50Ah	100Ah	150Ah	200Ah
Rated Energy	1280Wh	2560Wh	3840Wh	5120Wh
Output Voltage Range	21.6V~29.2V			
Charging Voltage	27.6V~28V			
Cut-off Voltage	21.6V			
Max. Charging Current	50A	100A	100A	100A
Recommended Charging Current	25A	50A	50A	50A
Max.Discharging Current	50A	100A	150A	200A
Efficiency	>98%			
Dimension L*W*H (mm)	330*170*215	484*171*240	522*240*218	520*240*223
Weight (kg)	9.8	18.25	26.45	35.2
Humidity	5%~95% Relative humidity			
Charging Temperature	0℃~60℃			
Discharging Temperature	-20℃~60℃			
Storage Temperature	-10℃~30℃			
Cycle Life	>6000 times (0.2C, @25℃, 80%DOD)			
Design Life	>10 years			

CERTIFICATE

COMPATIBLE INVERTER BRAND

ZTE中兴

Haier

Sprocomm

UTime

TECHNOLOGY HIGHPOWER 豪鹏科技

samtech 森电智能

ALCATEL 阿尔卡特

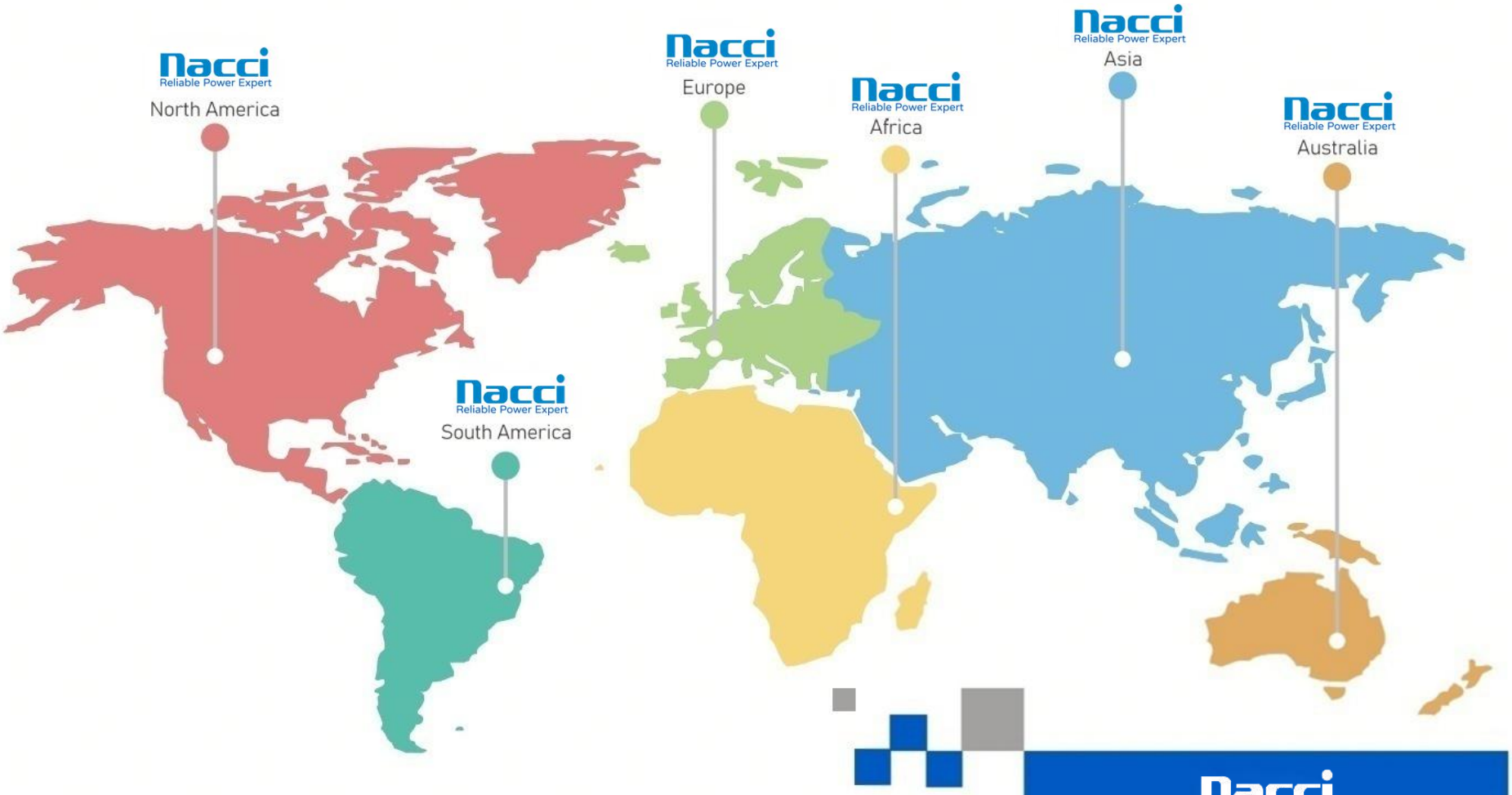
INTEX

LAVA

WINGTECH

sectelli 盛烽智能猫眼

GLOBAL MARKET SHARE



A Global Leading Lithium Ion
Battery Energy Storage Solutions Provider

Nacci
Relalle Power Expert

The capacity nacci delivered is up to

1.5GWh+

Customization Service

Customization

- Packing
- Heating Function
- Intelligent BMS
- LCD
- Capacity
- Voltage
- Case Color
- Bluetooth
- High Quality Cell

Choose Us

Optional Customization Type

We're your responsible partner in sustainability.

We generate innovation, with first-to-market closed-loop systems.

We deliver sustainable products by being a sustainable company.

We believe the future depends on us

We help you consume and waste less. We provide trusted brands with measurable reduction to your environmental footprint.

Nacci
Reliable Power Expert

WeChat

Website

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