

12.8V100Ah

LFP Li-ion Battery



SAFETY

- + Prismatic LiFePO4 cells (50Ah), High consistency, long cycle life and much more safety.
- + UN38.3, CE certification for system.
- + The cycle life over 3000 times @80%DOD

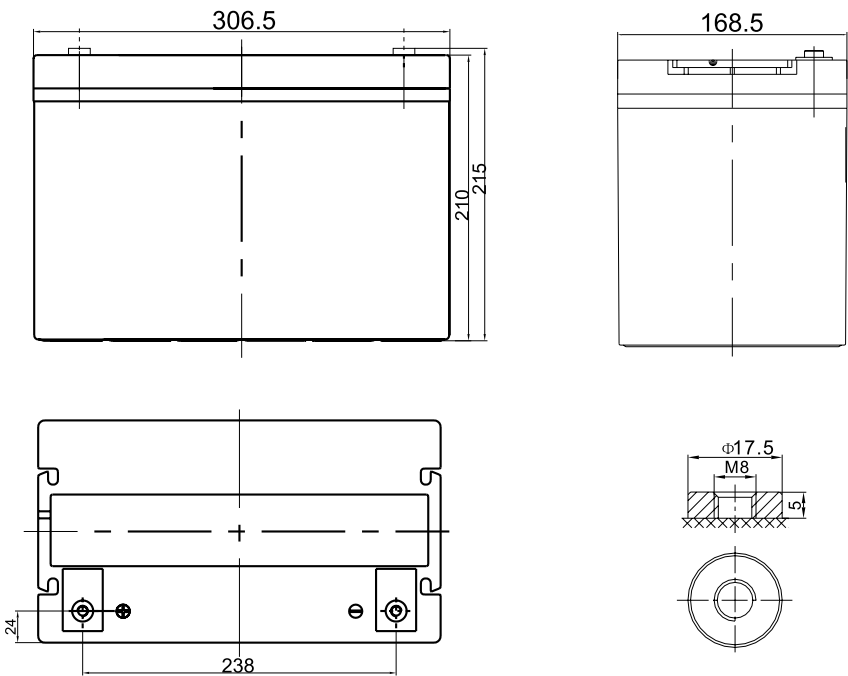
DESIGN

- + ABS container, replace VRLA battery perfectly.
- + Fast charge performance.
- + -20~+55° C widely temperature range.
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM (BMS)

- + Integrated hardware BMS inside.
- + Independent protection for charge and discharge.
- + Over voltage, low voltage, over temperature and short circuit protection.

Dimension:



Unit: mm

12.8V100Ah

Specification

Model	NSL lion battery 12.8V100Ah
Nominal Voltage [V]	12.8
Nominal Capacity [Ah]	100
Total Energy [Wh]	1280
Max. Charging Current [A]	100
Recommended Charging Current [A]	50
Charging Voltage [V]	14.6
Max. Discharging Current [A]	100
End of Discharge Voltage [V]	11.2
Pulse Discharge Current	270A @ 10s
Dimension [W*D*H, mm]	306*168*210
Weight [Kg]	12.9
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50℃ ; Discharge: -20 ~ +55℃
BMS Protection	Over charge Over discharge, Over temperature, Short circuit
Parallel Support	Yes, Max 2 Sets
Series Support	Yes, Max 4 Sets
Cycle Life	>3000
Designed Calendar Life	>10 Years
Certification	UN38.3, CE, MSDS

Note:
1. 80 % DOD and to 80% of initial capacity.

12.8V150Ah

LFP Li-ion Battery



SAFETY

- + Prismatic LiFePO4 cells (50Ah), High consistency, long cycle life and much more safety.
- + UN38.3, CE certification for system.
- + The cycle life over 3500 times @80%DOD

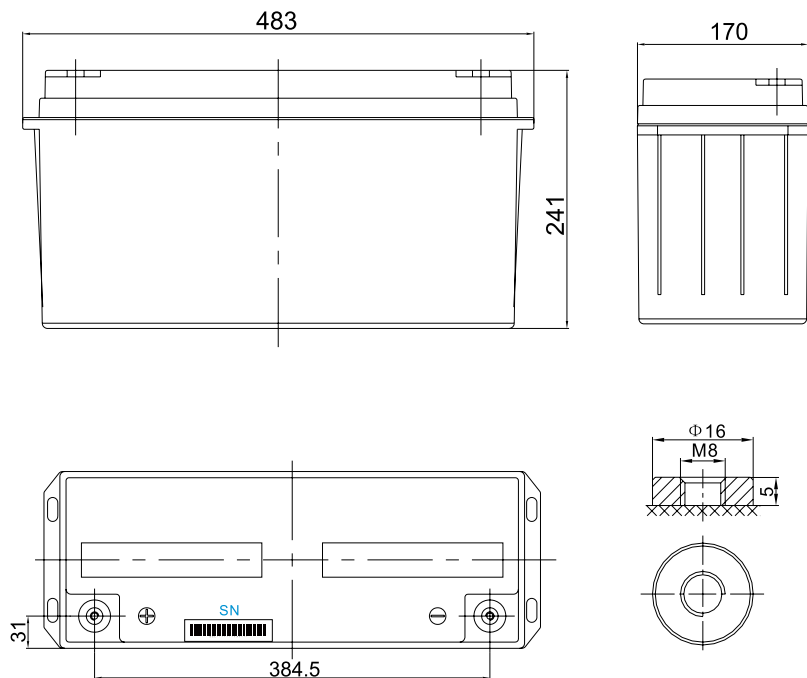
DESIGN

- + ABS container, replace VRLA battery perfectly.
- + Fast charge performance.
- + -20~+55° C widely temperature range.
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM (BMS)

- + Integrated hardware BMS inside.
- + Independent protection for charge and discharge.
- + Over voltage, low voltage, over temperature and short circuit protection.

Dimension:



Unit: mm

12.8V150Ah

Specification

Model		NSL lion battery 12.8V150Ah
Nominal Voltage [V]		12.8
Nominal Capacity [Ah]		150
Total Energy [Wh]		1920
Max. Charging Current [A]		100
Recommended Charging Current [A]		75
Charging Voltage [V]		14.6
Max. Discharging Current [A]		100
End of Discharge Voltage [V]		11.2
Pulse Discharge Current		270A @ 10s
Dimension [W*D*H, mm]		483*170*241
Weight [Kg]		20.00
Operation Humidity		0~95% RH (No condensing)
Operating Temperature Range		Charge: 0 ~ +50°C ; Discharge: -20 ~ +55°C
BMS Protection		Over charge Over discharge, Over temperature, Short circuit
Parallel Support		Yes, Max 2 Sets
Series Support		Yes, Max 4 Sets
Cycle Life		>3500
Designed Calendar Life		>10 Years
Certification		UN38.3, CE, MSDS

Note:
1. 80 % DOD and to 80% of initial capacity.

12.8V200Ah

LFP Li-ion Battery



SAFETY

- + Prismatic LiFePO₄ cells (205Ah), High consistency, long cycle life and much more safety.
- + UN38.3, CE certification for system.
- + The cycle life over 3500 times @80%DOD

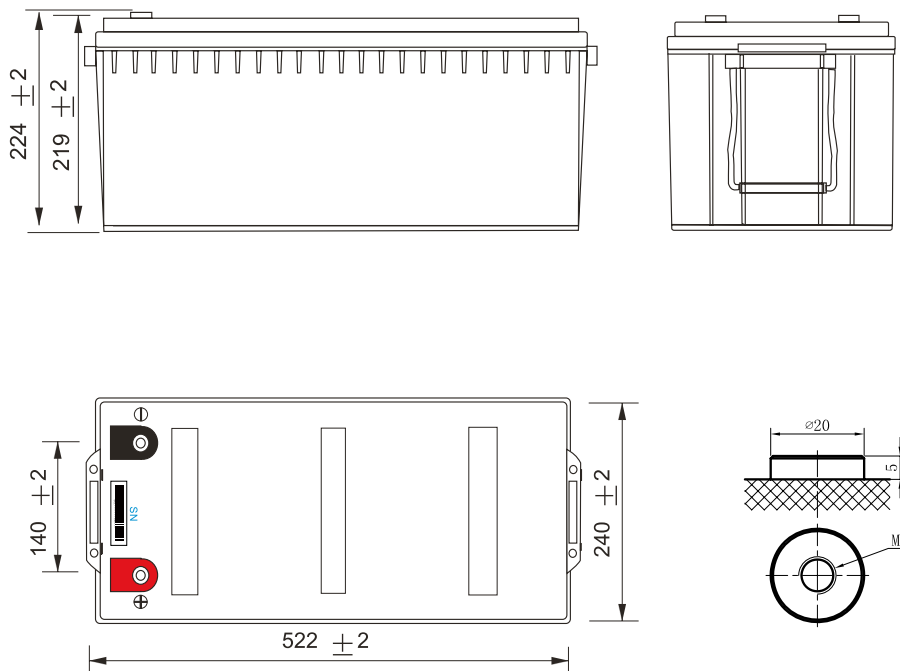
DESIGN

- + ABS container, replace VRLA battery perfectly.
- + Fast charge performance.
- + -20~+55° C widely temperature range.
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM (BMS)

- + Integrated hardware BMS inside.
- + Independent protection for charge and discharge.
- + Over voltage, low voltage, over temperature and short circuit protection.

Dimension:



Unit: mm

12.8V200Ah

Specification

Model		NSL lion battery 12.8V200Ah
Nominal Voltage [V]		12.8
Nominal Capacity [Ah]		200
Total Energy [Wh]		2560
Max. Charging Current [A]		100
Recommended Charging Current [A]		80
Charging Voltage [V]		14.6
Max. Discharging Current [A]		100
End of Discharge Voltage [V]		11.2
Pulse Discharge Current		270A @ 10s
Dimension [W*D*H, mm]		522*240*219
Weight [Kg]		25.6
Operation Humidity		0~95% RH (No condensing)
Operating Temperature Range		Charge: 0 ~ +50°C ; Discharge: -20 ~ +55°C
BMS Protection		Over charge Over discharge, Over temperature, Short circuit
Parallel Support		Yes, Max 2 Sets
Series Support		Yes, Max 4 Sets
Cycle Life		>3500
Designed Calendar Life		>10 Years
Certification		UN38.3, CE, MSDS

Note:
1. 80 % DOD and to 80% of initial capacity.



25.6V100Ah

LFP Li-ion Battery



SAFETY

- + Prismatic LiFePO₄ cells (50Ah), High consistency, long cycle life and much more safety.
- + UN38.3, CE certification for system.
- + The cycle life over 3500 times @80%DOD

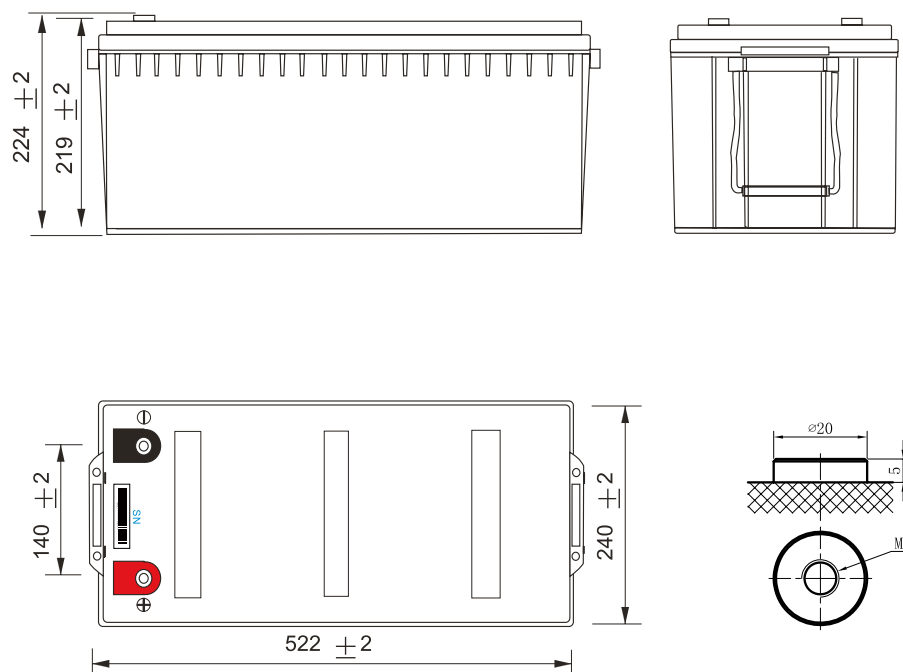
DESIGN

- + ABS container, replace VRLA battery perfectly.
- + Fast charge performance.
- + -20~+55° C widely temperature range.
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM (BMS)

- + Integrated hardware BMS inside.
- + Independent protection for charge and discharge.
- + Over voltage, low voltage, over temperature and short circuit protection.

Dimension:



Unit: mm

25.6V100Ah

Specification

Model	NSL lion battery 25.6V100Ah
Nominal Voltage [V]	25.6
Nominal Capacity [Ah]	100
Total Energy [Wh]	2560
Max. Charging Current [A]	100
Recommended Charging Current [A]	80
Charging Voltage [V]	29.2
Max. Discharging Current [A]	100
End of Discharge Voltage [V]	22.4
Pulse Discharge Current	270A @ 10s
Dimension [W*D*H, mm]	522*240*219
Weight [Kg]	25.2
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50°C ; Discharge: -20 ~ +55°C
BMS Protection	Over charge Over discharge, Over temperature, Short circuit
Parallel Support	Yes, Max 2 Sets
Series Support	No Support
Cycle Life	>3500
Designed Calendar Life	>10 Years
Certification	UN38.3, CE, MSDS

Note:
1. 80 % DOD and to 80% of initial capacity.

The datasheet is subject to change without prior notification

25.6V150Ah

LFP Li-ion Battery



SAFETY

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- + UN38.3, CE certification for system.
- + The cycle life over 3500 times @80%DOD

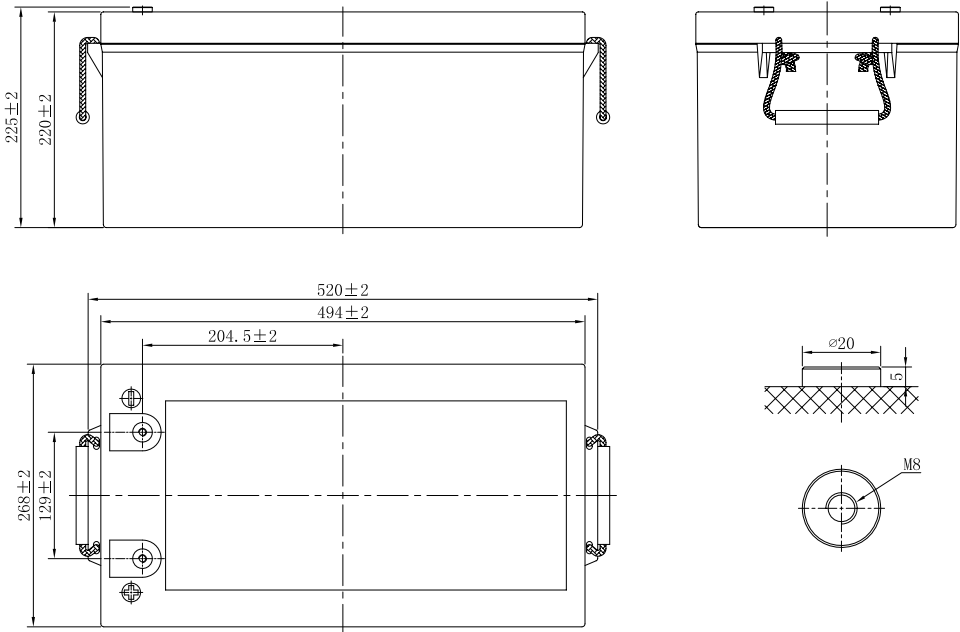
DESIGN

- + ABS container, replace VRLA battery perfectly.
- + Fast charge performance.
- + -20~+55° C widely temperature range.
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM (BMS)

- + Integrated hardware BMS inside.
- + Independent protection for charge and discharge.
- + Over voltage, low voltage, over temperature and short circuit protection.

Dimension:



Unit: mm

25.6V150Ah

Specification

Model	NSL lion battery 25.6V150Ah
Nominal Voltage [V]	25.6
Nominal Capacity [Ah]	150
Total Energy [Wh]	3840
Max. Charging Current [A]	100
Recommended Charging Current [A]	80
Charging Voltage [V]	29.2
Max. Discharging Current [A]	100
End of Discharge Voltage [V]	22.4
Pulse Discharge Current	270A @ 10s
Dimension [W*D*H, mm]	522*268*220
Weight [Kg]	35.0
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50℃ ; Discharge: -20 ~ +55℃
BMS Protection	Over charge Over discharge, Over temperature, Short circuit
Parallel Support	Yes, Max 2 Sets
Series Support	No Support
Cycle Life	> 3500
Designed Calendar Life	> 10 Years
Certification	UN38.3, CE, MSDS

Note:
1. 80 % DOD and to 80% of initial capacity.

25.6V200Ah

LFP Li-ion Battery



SAFETY

- + Prismatic LiFePO₄ cells (205Ah), High consistency, long cycle life and much more safety.
- + UN38.3, CE certification for system.
- + The cycle life over 3500 times @80%DOD

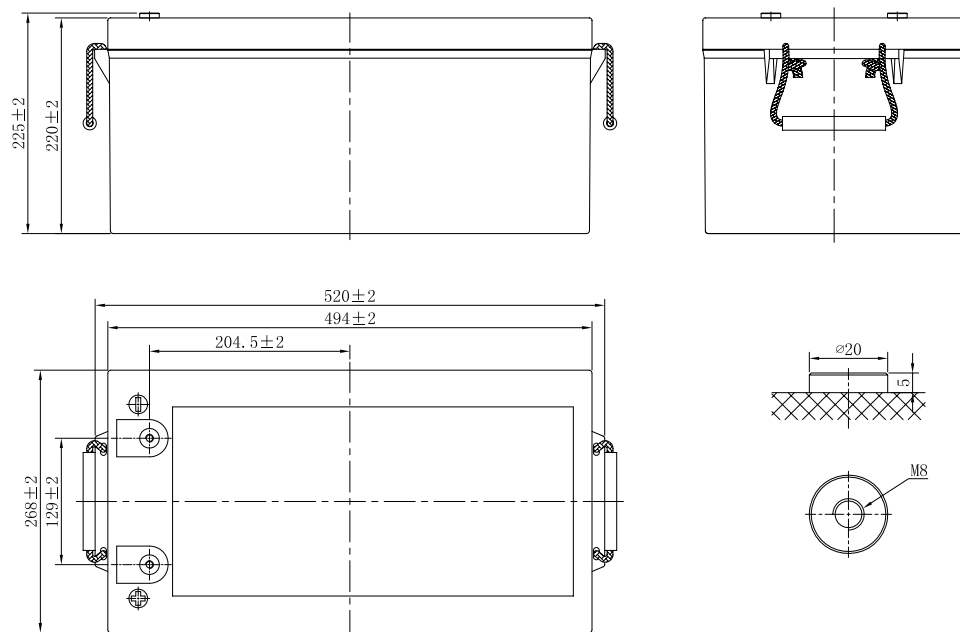
DESIGN

- + ABS container, replace VRLA battery perfectly.
- + Fast charge performance.
- + -20~+55° C widely temperature range.
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM (BMS)

- + Integrated hardware BMS inside.
- + Independent protection for charge and discharge.
- + Over voltage, low voltage, over temperature and short circuit protection.

Dimension:



Unit: mm

25.6V200Ah

Specification

Model	NSL lion battery 25.6V200Ah
Nominal Voltage [V]	25.6
Nominal Capacity [Ah]	200
Total Energy [Wh]	5120
Max. Charging Current [A]	100
Recommended Charging Current [A]	80
Charging Voltage [V]	29.2
Max. Discharging Current [A]	100
End of Discharge Voltage [V]	22.4
Pulse Discharge Current	270A @ 10s
Dimension [W*D*H, mm]	522*268*220
Weight [Kg]	40.0
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50°C ; Discharge: -20 ~ +55°C
BMS Protection	Over charge Over discharge, Over temperature, Short circuit
Parallel Support	Yes, Max 2 Sets
Series Support	No Support
Cycle Life	> 3500
Designed Calendar Life	> 10 Years
Certification	UN38.3, CE, MSDS

Note:
1. 80 % DOD and to 80% of initial capacity.

12.8V300Ah

LFP Li-ion Battery



SAFETY

- + Prismatic LiFePO₄ cells (100Ah), High consistency, long cycle life and much more safety.
- + UN38.3, CE certification for system.
- + The cycle life over 3500 times @80%DOD

DESIGN

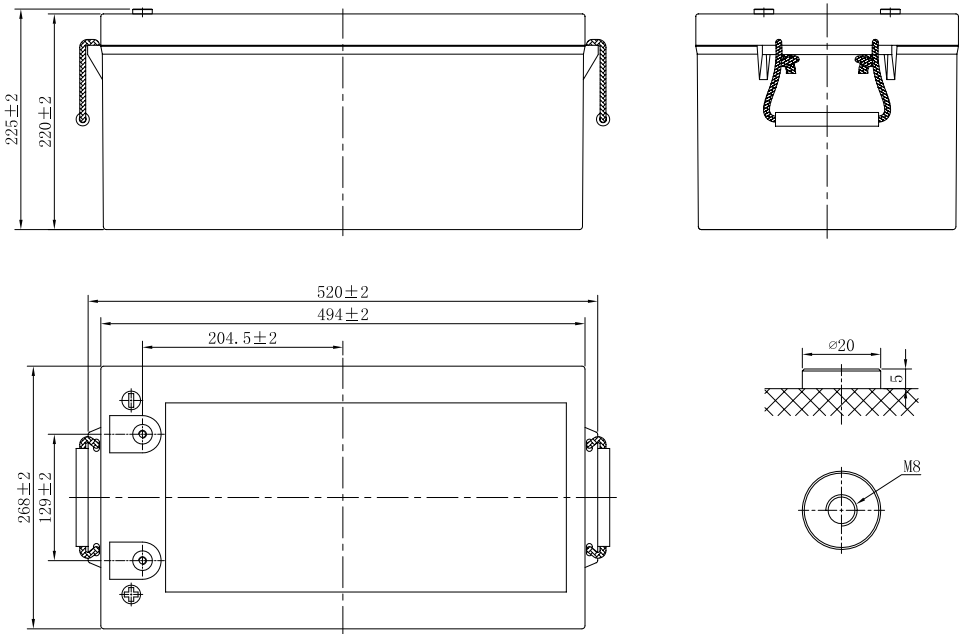
- + ABS container, replace VRLA battery perfectly.
- + Fast charge performance.
- + -20~+55° C widely temperature range.
- + Maintenance free.

BATTERY MANAGEMENT SYSTEM (BMS)

- + Integrated hardware BMS inside.
- + Independent protection for charge and discharge.
- + Over voltage, low voltage, over temperature and short circuit protection.



Dimension:



Unit: mm

12.8V300Ah

Specification

Model		NSL lion battery 12.8V300Ah
Nominal Voltage [V]		12.8
Nominal Capacity [Ah]		300
Total Energy [Wh]		3840
Max. Charging Current [A]		100
Recommended Charging Current [A]		80
Charging Voltage [V]		14.6
Max. Discharging Current [A]		100
End of Discharge Voltage [V]		11.2
Pulse Discharge Current		270A @ 10s
Dimension [W*D*H, mm]		522*268*220
Weight [Kg]		32.00
Operation Humidity		0~95% RH (No condensing)
Operating Temperature Range		Charge: 0 ~ +50°C ; Discharge: -20 ~ +55°C
BMS Protection		Over charge Over discharge, Over temperature, Short circuit
Parallel Support		Yes, Max 2 Sets
Series Support		Yes, Max 4 Sets
Cycle Life		>3500
Designed Calendar Life		>10 Years
Certification		UN38.3, CE, MSDS

Note:
1. 80 % DOD and to 80% of initial capacity.



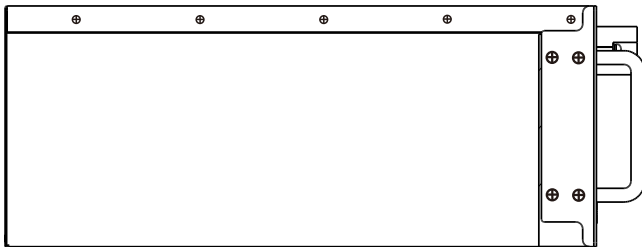
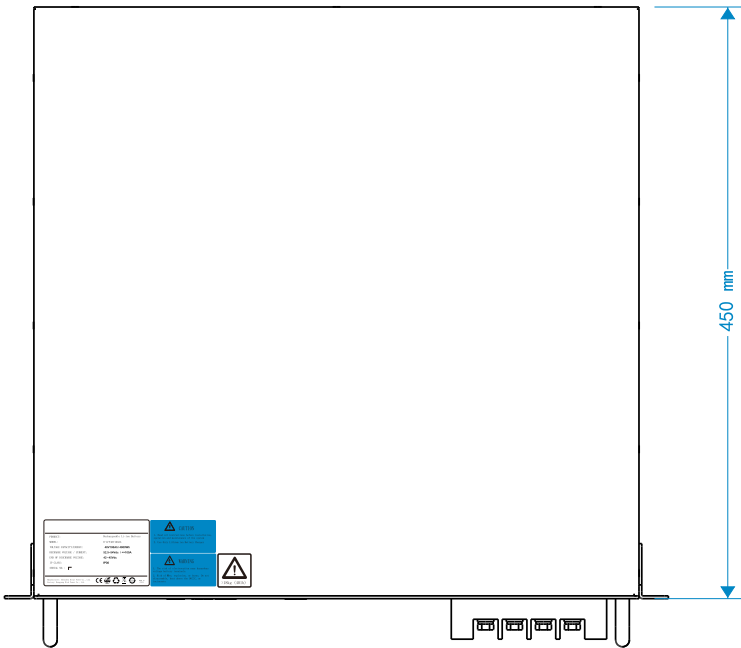
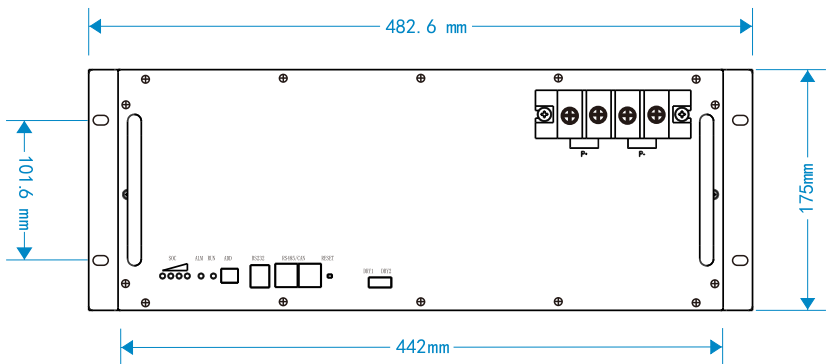
48V100Ah

RACK MOUNTED LI-ION BATTERY SPECIFICATION



Model	NSL 48V100Ah
Cell Type	LFP Prismatic cell 50Ah
Internal Connection	2P15S
Nominal Voltage [V]	48.0
Nominal Capacity [Ah]	100
Total Energy [Wh]	4800
Dimension (W*D*H, mm)	442*450*175
Weight [Kg]	50
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	120A @1S
Charging Voltage [V]	52.5~54.0
End of Discharge Voltage [V]	42.0 (Backup Application) / 45 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50°C; Discharge: -20 ~ +55°C
Cycle Life	>3500
Designed Calendar Life	10 Years
Communication interface	RS232, RS485, CAN
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 15 Sets
Series Support	Not support
Optional Parts	MCB; LCD display; Gyroscope Anti-theft;SNMP module.

NSL 48V100Ah Dimension





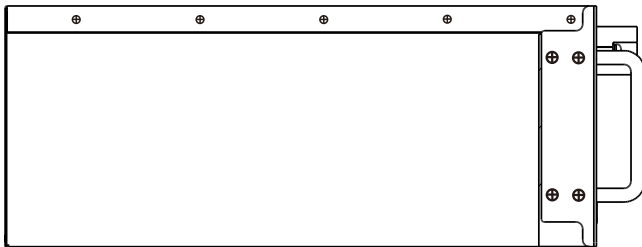
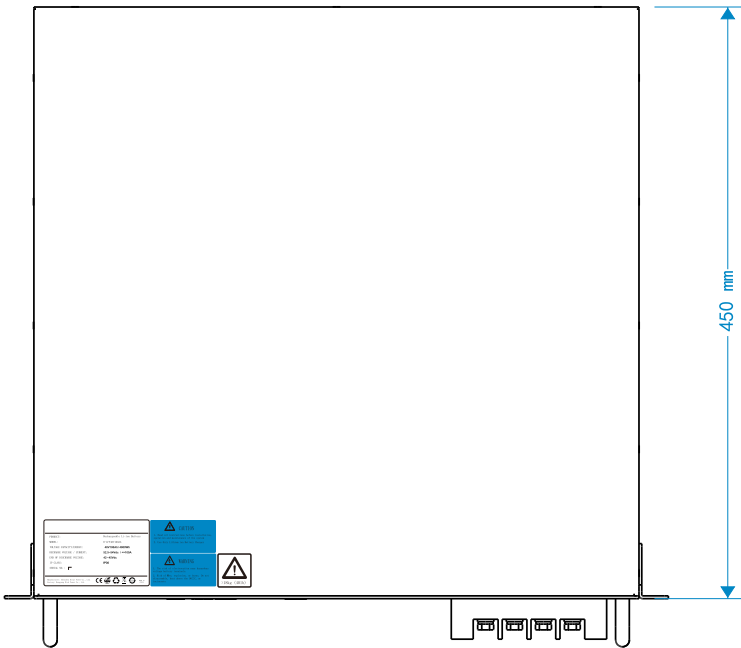
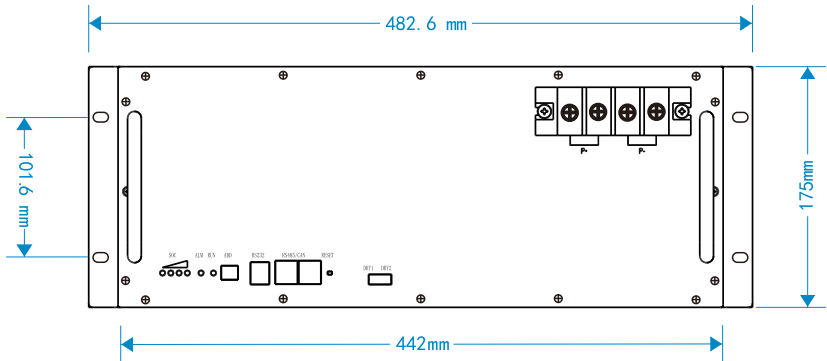
51.2V100Ah

RACK MOUNTED LI-ION BATTERY SPECIFICATION



Model	NSL 51.2V100Ah
Cell Type	LFP Prismatic cell 50Ah
Internal Connection	2P16S
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	100
Total Energy [Wh]	5120
Dimension (W*D*H, mm)	442*450*175
Weight [Kg]	52.4
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	120A @1S
Charging Voltage [V]	56~57.6
End of Discharge Voltage [V]	44.8 (Backup Application) /48 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50°C; Discharge: -20 ~ +55°C
Cycle Life	>3500
Designed Calendar Life	10 Years
Communication interface	RS232, RS485, CAN
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 15 Sets
Series Support	Not support
Optional Parts	MCB; LCD display; Gyroscope Anti-theft;SNMP module.

NSL 5 1.2V100Ah Dimension





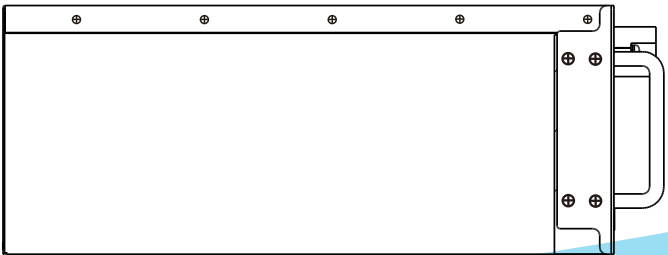
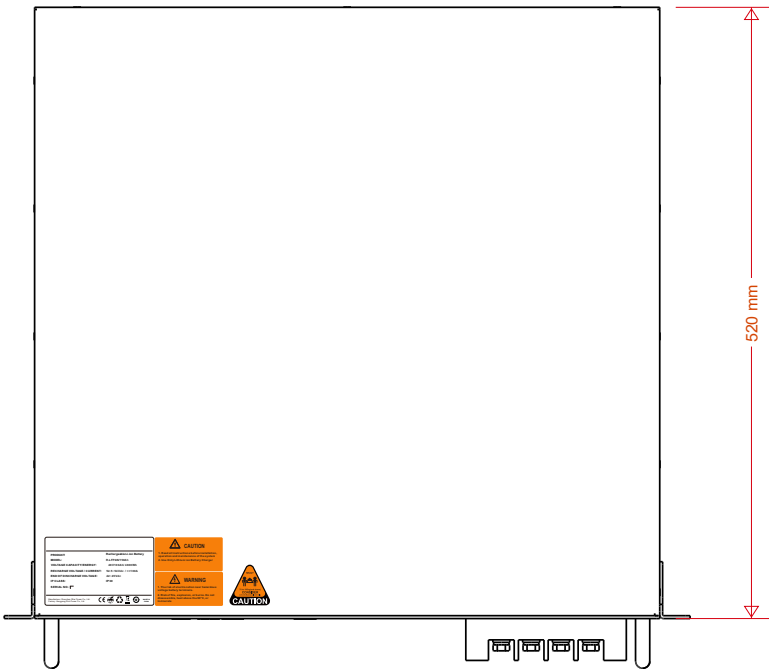
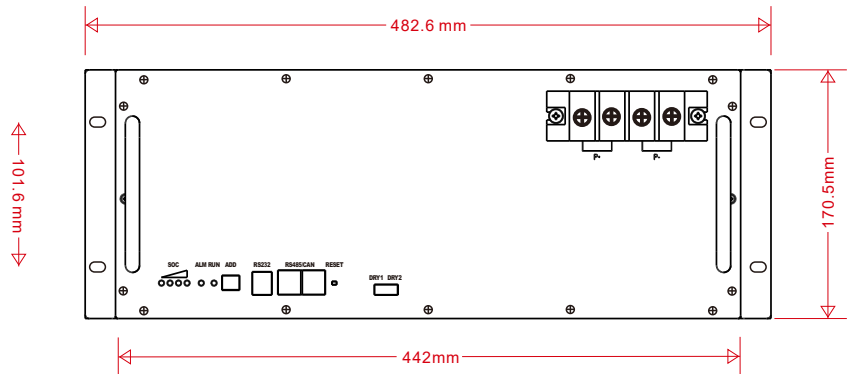
48V150Ah

RACK MOUNTED LI-ION BATTERY SPECIFICATION



Model	NSL 48V150Ah
Cell Type	LFP Prismatic cell 50Ah
Internal Connection	3P15S
Nominal Voltage [V]	48
Nominal Capacity [Ah]	150
Total Energy [Wh]	7200
Dimension (W*D*H, mm)	442*520*175
Weight [Kg]	70
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	120A @1S
Charging Voltage [V]	52.5~54.0
End of Discharge Voltage [V]	42.0 (Backup Application) / 45 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50°C; Discharge: -20 ~ +55°C
Cycle Life	> 3500
Designed Calendar Life	10 Years
Communication interface	RS232, RS485, CAN
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 15 Sets
Series Support	Not support
Optional Parts	MCB; LCD display; Gyroscope Anti-theft;SNMP module.

NSL 4 8V150Ah Dimension



The datasheet is subject to change without prior notification

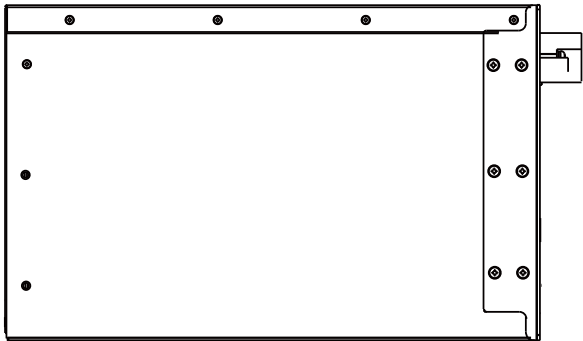
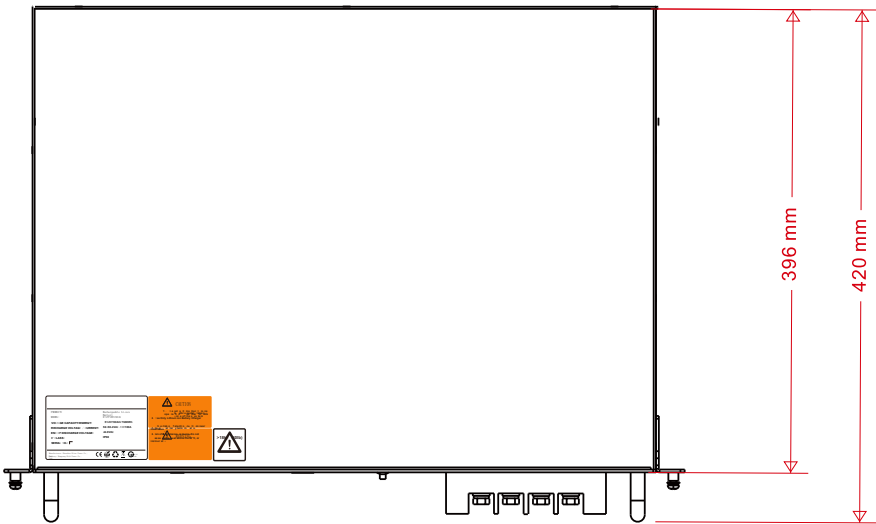
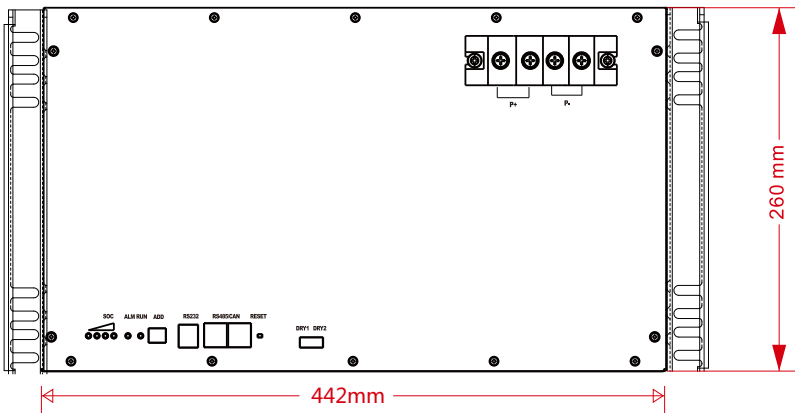
51.2V150Ah

RACK MOUNTED LI-ION BATTERY SPECIFICATION



Model	NSL 51.2V150Ah
Cell Type	LFP Prismatic cell 50Ah
Internal Connection	3P16S
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	150
Total Energy [Wh]	7680
Dimension (W*D*H, mm)	442*400*260
Weight [Kg]	74.6
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	120A @1S
Charging Voltage [V]	56~57.6
End of Discharge Voltage [V]	44.8 (Backup Application) /48 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +50°C; Discharge: -20 ~ +55°C
Cycle Life	>3500
Designed Calendar Life	10 Years
Communication interface	RS232, RS485, CAN
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 15 Sets
Series Support	Not support
Optional Parts	MCB; LCD display; Gyroscope Anti-theft;SNMP module.

NSL 5 1.2V150Ah Dimension





48V200Ah

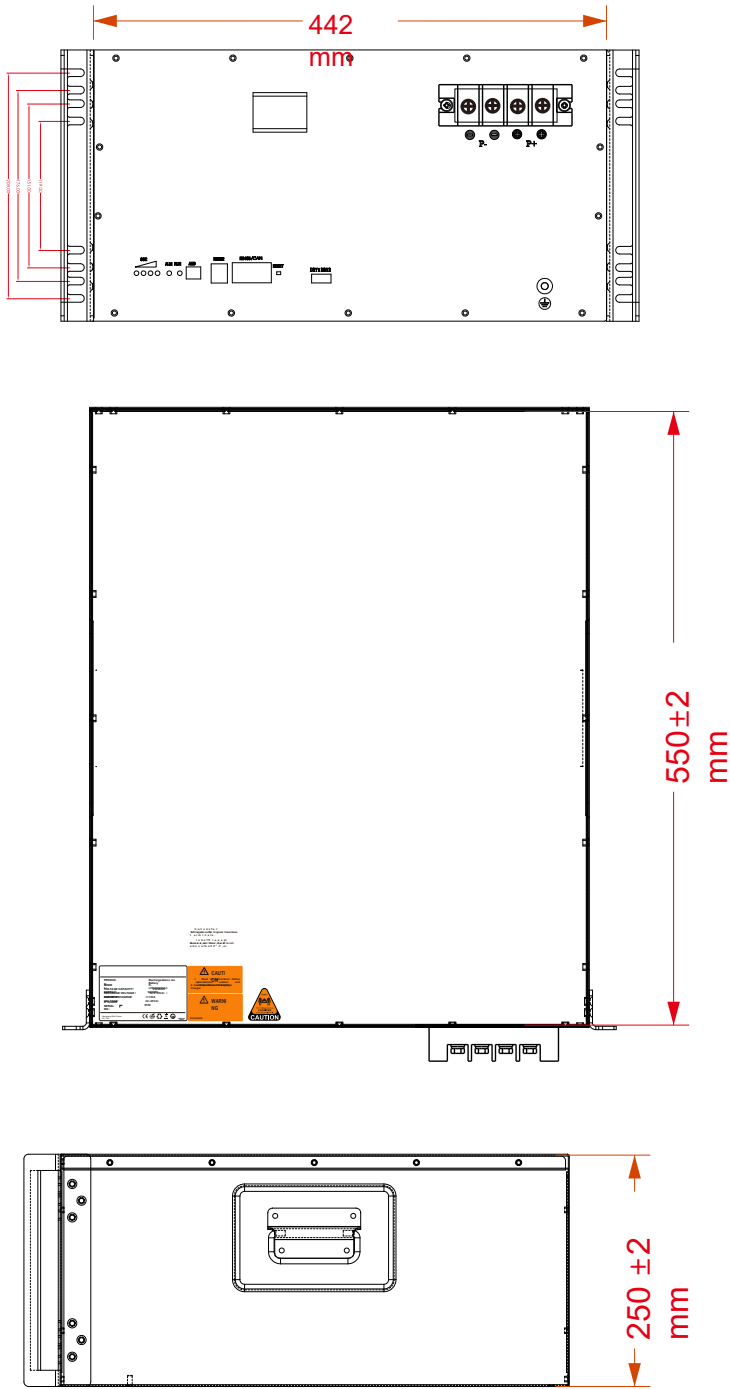
RACK MOUNTED LI-ION BATTERY SPECIFICATION



Model	NSL 48V200Ah
Nominal Voltage [V]	48.0
Nominal Capacity [Ah]	200
Total Energy [Wh]	9600
Dimension (W*D*H, mm)	442*550*250
Weight [Kg]	78
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	120A @1S
Charging Voltage [V]	52.5~54.0
End of Discharge Voltage [V]	42.0 (Backup Application) / 45 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Standard Product: Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C With Optional Heater: Charge / Discharge: -40 ~ +55°C
Cycle Life	>4000
Designed Calendar Life	10 Years
Communication interface	RS232, CAN, RS485
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 15 Sets
Series Support	Not support

Note:
SNMP Module , MCB, LCD Screen is optional.

NSL 48V200Ah Dimension





51.2V200Ah

RACK MOUNTED LI-ION BATTERY SPECIFICATION



Model	NSL 51.2V200Ah
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	200
Total Energy [Wh]	10240
Dimension (W*D*H, mm)	442*550*250
Weight [Kg]	80
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	120A @1S
Charging Voltage [V]	55.2~58.4
End of Dicharge Voltage [V]	44.8 (Backup Application) / 48 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Standard Product: Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C With Optional Heater: Charge / Discharge: -40 ~ +55°C
Cycle Life	>4000
Designed Calendar Life	10 Years
Communication interface	RS232, CAN, RS485
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 15 Sets
Series Support	Not support

Note:
SNMP Module , MCB, LCD Screen is optional.

NSL 5 1.2V200Ah Dimension

