



Model

NLI-25.6-200R

25.6V 200Ah LiFePO4 Battery

NITRO®

NLI-25.6-200R

Electrical Specifications

Nominal Voltage	25.6V
Nominal Capacity	200Ah
Energy	5120 Wh
Parallel Connection	Max. 6 units
Series Connection	Max. 2 units
BMS	8S200A
Self-Heating	Yes
Circuit Protection	Overcharge, Overdischarge, Overcurrent, Overtemperature, Short circuit
Cycle Life	3000 times Cycles @100% DOD and 6000 times @80% DOD
Self-Discharge	Less than 3% per month
Charge Efficiency	100% @0.2C
Discharge Efficiency	98-100% @1C

Charge Specifications

Charge Mode	CC / CV
Charge Voltage	28.8±0.4V
Standard Charge Current	40A

Discharge Specifications

Standard Discharge Current	40A
Max. Continuous Current	200A
Cut-off Voltage	20V

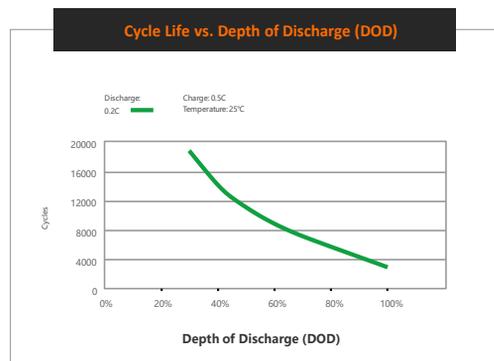
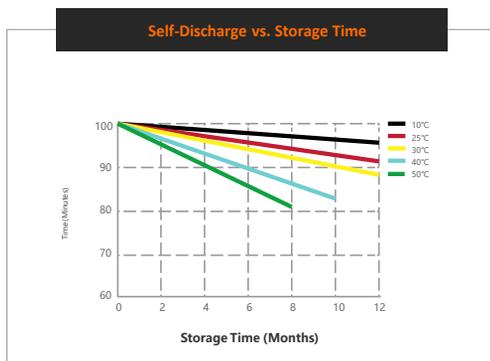
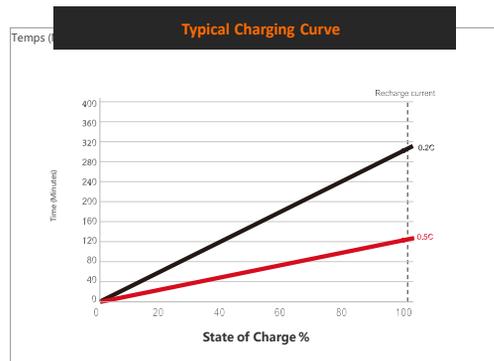
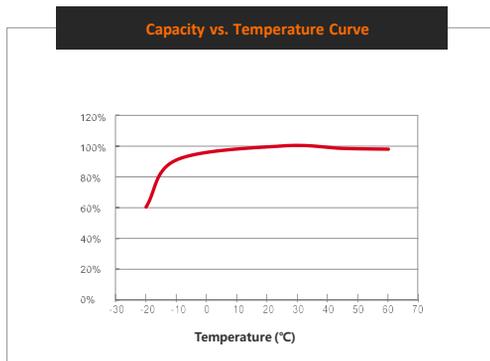
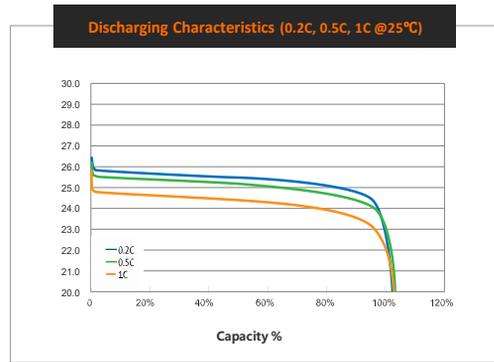
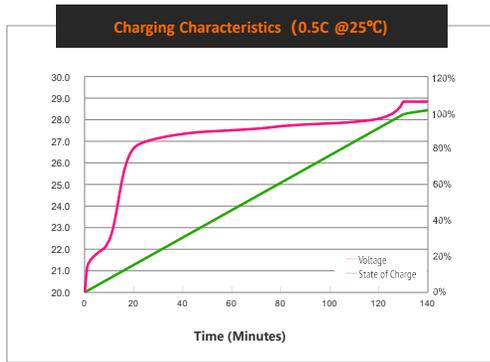
Mechanical Specifications

Dimensions (mm)	517×440×133.5mm
Approx. Weight (kg)	45
Terminal Type	ES08 Energy Storage Quick Insert
Case Color / Material	Black Metal Case
IP Rating	IP54
Cell Type	Cylinder LiFePO4 Cell
Cell Holder	Yes

Temperature Specifications

Charging Temperature	0°C to 55°C	(32°F to 131°F)
Discharging Temperature	-20°C to 60°C	(-4°F to 140°F)
Storage Temperature	-5°C to 45°C	(23°F to 113°F)

Characteristics Curves



Certifications

- UL1642 (Cell)
- IEC62133 (Cell)
- IEC62619 (Cell)
- CE (Pack)
- UN38.3 (Cell / Pack)
- ROHS (Cell)



Communication

→ The NLI-25.6-200R module is compatible with the following inverters:

INVERTER BRAND	COMMUNICATION PROTOCOL	INTERFACE	BAUD RATE	VERSION
PYLONTECH	CAN-Bus Protocol – Pylon	CAN	500 kbps	V1.3
GOODWE	GoodWe Communication Protocol	CAN	500 kbps	V1.5
CAN	CAN Communication Protocol	CAN	500 kbps	V1.0
SOFAR	Sofar Inverter BMS-CAN Protocol	CAN	500 kbps	V1.0
Growatt	Growatt BMS CAN-Bus Protocol (Low Voltage)	CAN	500 kbps	V1.05
Growatt	Growatt Low-Voltage Battery BMS Communication Protocol	CAN	500 kbps	V1.01
SMA	SMA-BMZ Protocol	CAN	500 kbps	—
victron energy	CAN-Bus BMS Protocol	CAN	500 kbps	V1.0
LUXPOWERTEK	LuxPowertek Battery CAN Protocol	CAN	500 kbps	V1.0
NLUBEN	Studer BMS Protocol Specification	CAN	500 kbps	V1.03
TBB POWER	TBB Lithium Battery BMS-CAN Communication Protocol	CAN	500 kbps	V1.02
Deye 德業	Enjie CAN Protocol	CAN	500 kbps	V1.0
MUST	PV1800F CAN Communication Protocol	CAN	100 kbps	V1.04.04
PYLONTECH	RS485 Protocol – Pylon (Low Voltage)	RS485	9600	V3.5
Voltronic Power	Voltronic Inverter and BMS RS485 Communication Protocol	RS485	9600	V1.0
SRNE	PACE BMS Modbus Protocol for RS485	RS485	9600	V1.3
Growatt	SPF BMS RS485 Protocol	RS485	9600	V2.01