

LITHIUM IRON PHOSPHATE BATTERY

May the power be with you



NX01 Series

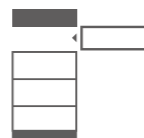
Neexgent NX01 Series is a lithium iron phosphate (LiFePO4) battery that offers multiple energy storage options through an expandable modular design (3-5 modules combined), which further simplifies installation and O&M with multiple smart functions.

* Custom capacity is acceptable.



MODULES COMBINED

Easy plug-in installation



EXTEND ANYTIME

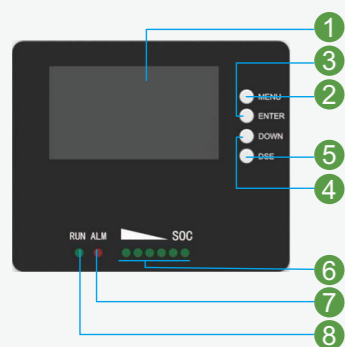
Adapt to new requirements



HIGH POWER

Power for all applications

Pic of Input & Output Port



1. LCD display
2. Menu buttons
3. Enter buttons
4. Down buttons
5. DES buttons
6. SOC indicator
7. RUN indicator
8. Alarm indicator



1. BAT+
2. RST port
3. ADS port
4. DRY port
5. RS485 communication port
6. RS232 communication port
7. CAN port
8. ON/OFF indicator
9. BAT-

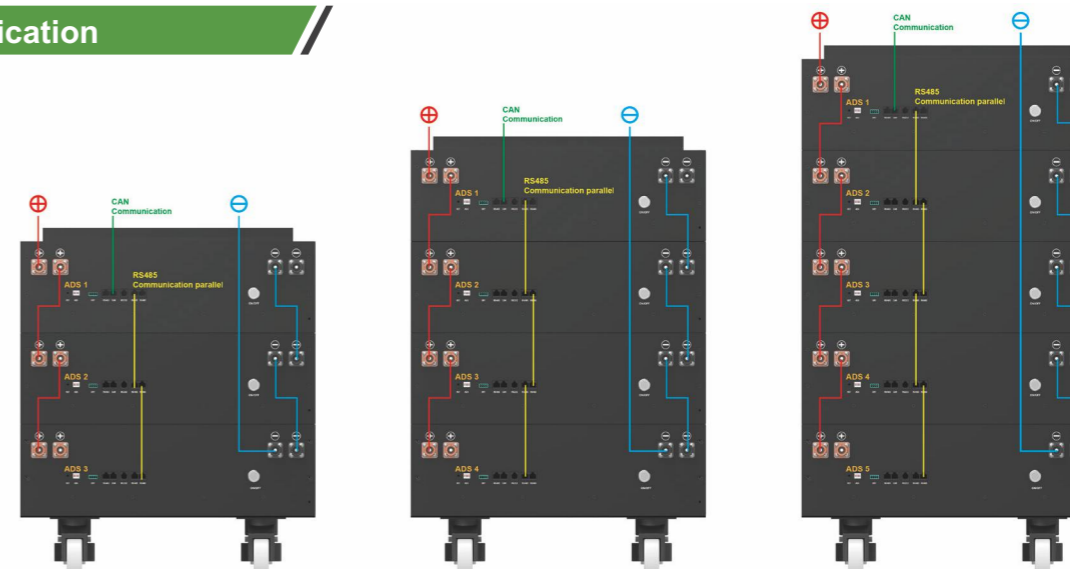
LITHIUM IRON PHOSPHATE BATTERY NX01 SERIES

NEEXGENT®

Specifications

MODEL	NX01-48300	NX01-48400	NX01-48500
Nominal Voltage		51.2 V	
Nominal Capacity	300 Ah	400 Ah	500 Ah
Energy	15360 Wh	20480 Wh	25600 Wh
Communication		CAN2.0/RS232/RS485	
Resistance		≤50 mΩ @ 50% SOC	
Efficiency		≤96%	
Recommended Charge Current		100A	
Maximum Continuous Discharge Current		100 A	
Maximum load power		5KW	
Recommended Charge Voltage		57.6V	
BMS Charge Cut-Off Voltage		<58.4 V (3.65V/Cell)	
Reconnect Voltage		>57.6 V (3.6V/Cell)	
Balancing Voltage		<57.6 V (3.6V/Cell)	
Balancing open voltage		55.2V (3.45V/Cell)	
Recommended Low Voltage Disconnect		44 V (2.75V/Cell)	
BMS Discharge Cut-Off Voltage		>40.0V (2s) (2.5V/Cell)	
Reconnect Voltage		>44.0 V (2.75V/Cell)	
Discharge Temperature		-4 ~ 131 °F (-20 ~ 55 °C)	
Charge Temperature		-4 ~ 113 °F (0 ~ 45 °C)	
Storage Temperature		23 ~ 95 °F (-5 ~ 35 °C)	
BMS High Temperature Cut-Off		149 °F (65 °C)	
Reconnect Temperature		131 °F (55 °C)	
Dimension (L x W x H)	537*498*697 mm	537*498*830 mm	537*498*962 mm
Approx. Weight	140 kg	190 kg	240 kg
Terminal Type		DIN POST	
Terminal Torque		80 ~ 100 in-lbs (9 ~ 11 N-m)	
Case Material		SPPC	
Enclosure Protection		IP20	
Certifications		CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)	
Shipping Classification		UN 3480, CLASS 9	

Communication



The technical specifications of this document are subject to change without any notice