

51.2V TOWER ENERGY STORAGE SYSTEM



PRODUCT FEATURES:

NX03-48300 solutions integrate green energy with a leading home storage portfolio for intelligent control and power outage protection. Our home battery uses lithium iron phosphate (LFP) battery technology. Perfectly matched with hybrid inverters, maximizes energy output, enhances self-consumption, and facilitates backup power.



Long Life And Safety

6000 cycles with 80% DOD, high-quality prismatic battery cell



Backup Protection

Stores energy, detects outages and automatically becomes energy source



Intelligent

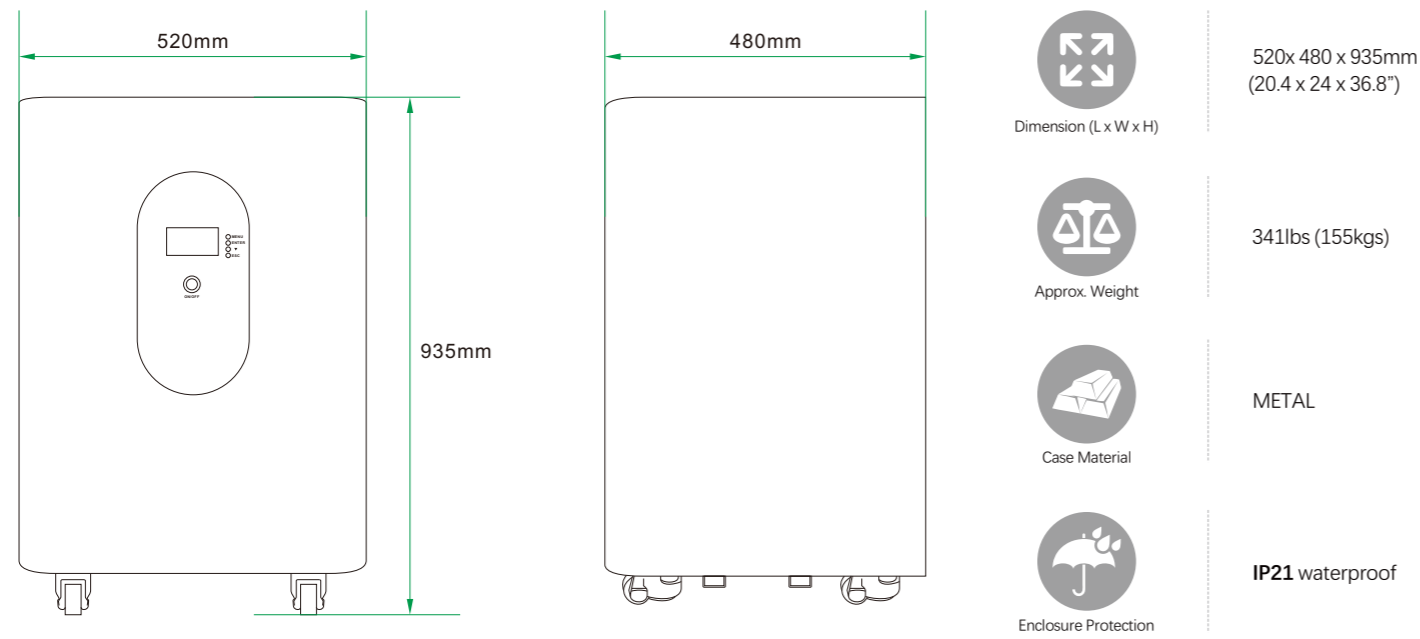
With independent smart BMS system, manages power output effectively



Plug In And Play

Plug in batteries then working, easy to install and set up

PRODUCT PARAMETERS

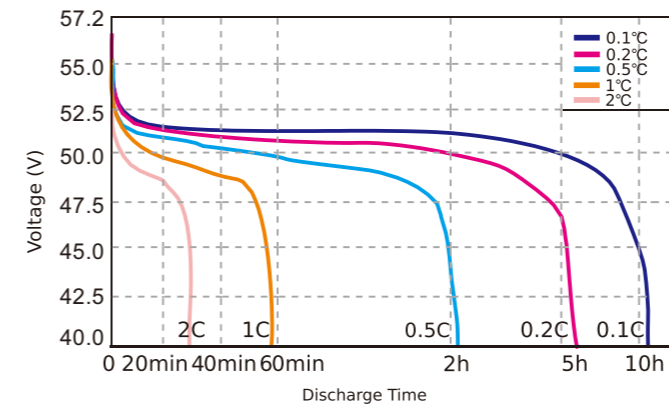


Model NO.	NX03-48300
Battery capacity	300Ah
Nominal voltage	3.2V
Nominal internal resistance	≤0.5mΩ
Combination	16 series and 1 parallel
Tolerance	≤1%
Single section internal resistance polarity	≤0.2mΩ
Single section voltage difference	≤5mV
Charge retention capacity	≥90%
Nominal voltage (V)	51.2
Nominal capacity (Ah)	300
Minimum capacity (Ah)	300
Charge cut-off voltage (V)	58.4
Discharge cut-off voltage (V)	40
Maximum continuous discharge current (A)	1C
Display	Voltage and percentage display
Standard charging current (A)	Within 0.5C
Charging suitable temperature	0°C ~ 45°C
Discharge temperature	-20°C ~ 60°C
Storage temperature range	0°C ~ 40°C
Storage environment humidity (Rh)	< 75%
Communication mode	RS485, RS232, CAN, etc.

CHARGING AND DISCHARGING CHART

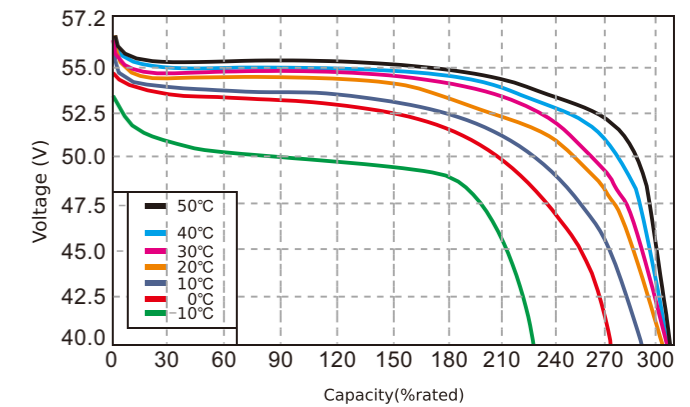
Different Rate Discharge Curve

Different Rate Discharge Curve @25°C



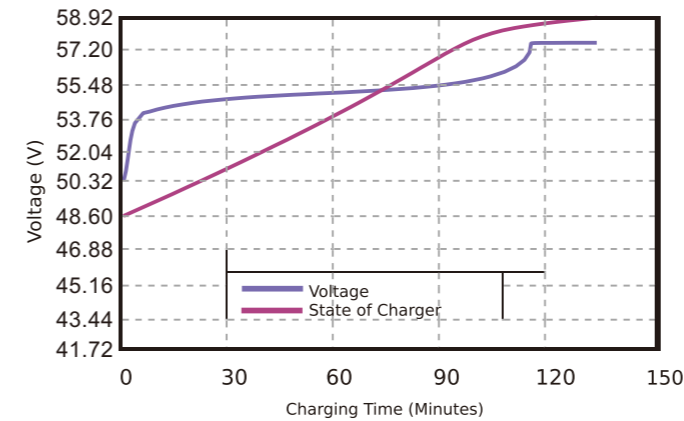
Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



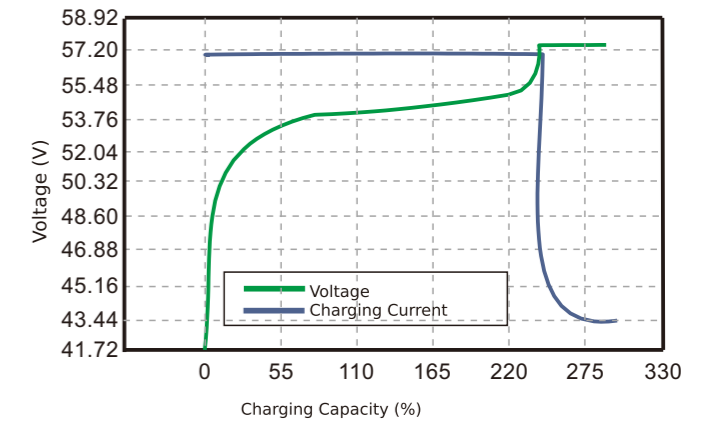
State of Charge Curve

State of Charge Curve @0.5C 25°C



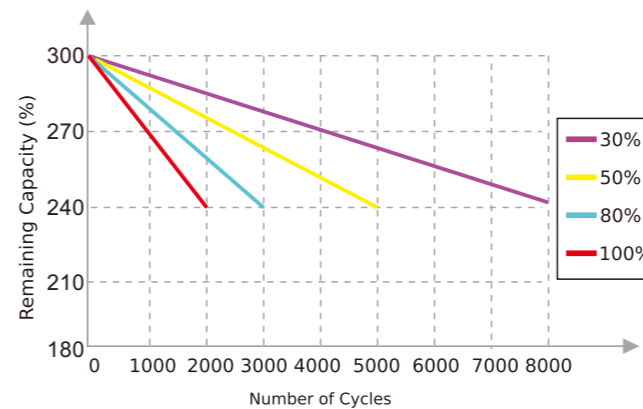
Charging Characteristics

Charging Characteristics @0.5C 25°C



Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve

