

# NLI-51.2-100 / Fiche technique

51.2V 100Ah

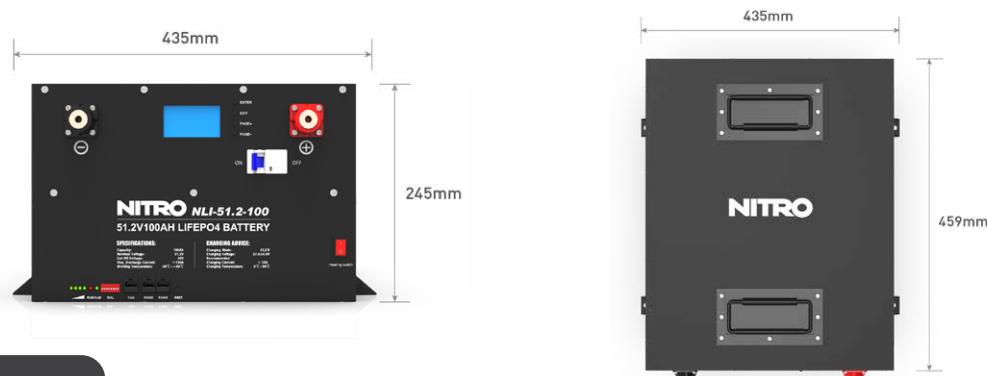
**NITRO**<sup>®</sup>  
Lithium·LiFePO<sub>4</sub>



## SPÉCIFICATIONS

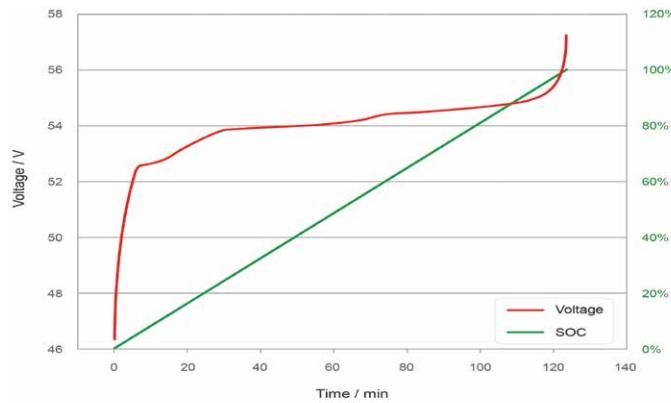
|                                      |                              |  |
|--------------------------------------|------------------------------|--|
| <b>Spécifications électriques</b>    | Tension nominal              | 51,2 V   |
|                                      | Capacité nominale            | 100 Ah   |
|                                      | Énergie                      | 5120 Wh  |
|                                      | Branchements en parallèle    | Max. 20 batteries  |
|                                      | Branchements en série        | Non  |
|                                      | Circuit de protection        | Surcharge, décharge excessive, surintensité, surchauffe, court-circuit |
|                                      | Cycle de vie                 | 3000 cycles @ 100% DOD et 6000 @ 80% DOD                               |
|                                      | Autodécharge                 | Moins de 3 % par mois  |
|                                      | Efficacité de charge         | 100% @ 0,2 C   |
|                                      | Efficacité de décharge       | 98-100% @ 1C   |
| <b>Spécifications de charge</b>      | Tension de charge            | 57,6 ± 0,8 V   |
|                                      | Courant standard             | 50 A   |
| <b>Spécifications de décharge</b>    | Courant standard             | 50 A   |
|                                      | Courant continue maximal     | 100 A  |
|                                      | Tension de coupure           | 40 V   |
| <b>Spécifications mécaniques</b>     | Dimensions                   | 459 x 435 x 245 mm (18 1/16" X 17 1/16" X 9 5/8")                      |
|                                      | Poids approximatif           | 47 kg (103,4 lbs)  |
|                                      | Type de terminal             | M8   |
|                                      | Couple de serrage des bornes | 8-12 Nm (71-106 in-lbs)  |
|                                      | Matériel boîtier/couleur     | Noir, métal  |
|                                      | Indice de protection         | IP54   |
|                                      | Température de charge        | 0°C à 55°C (32°F à 131°F)  |
| <b>Spécifications de température</b> | Température de décharge      | -20°C à 60°C (-4°F à 140°F)  |
|                                      | Température de stockage      | -5°C à 45°C (23°F à 113°F)   |
|                                      | Certifications               | CE, UL1642 (cellules), ROHS (cellules), UN38.3                         |
| <b>Communications</b>                | Communications               | CAN et RS485   |

## DIMENSIONS

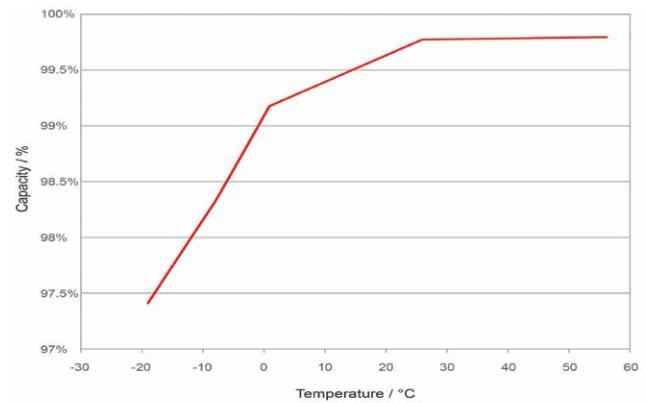


## PERFORMANCES

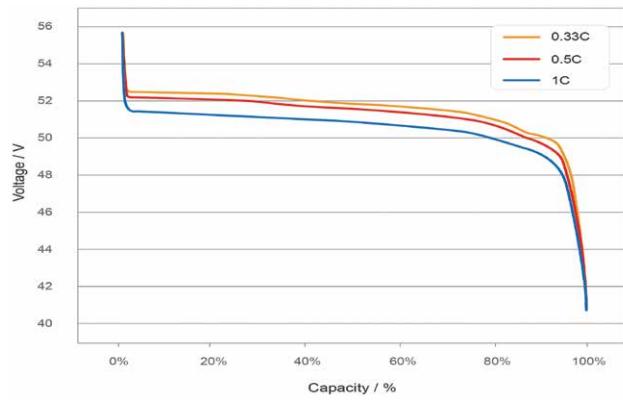
Charging Characteristic Curve (0.5C @ 25°C)



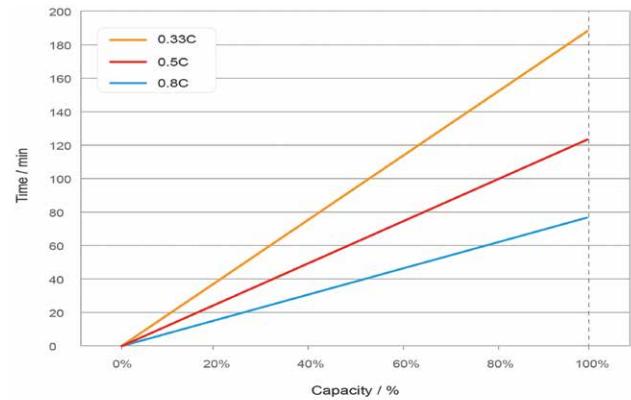
Different Temperature Capacity Curve



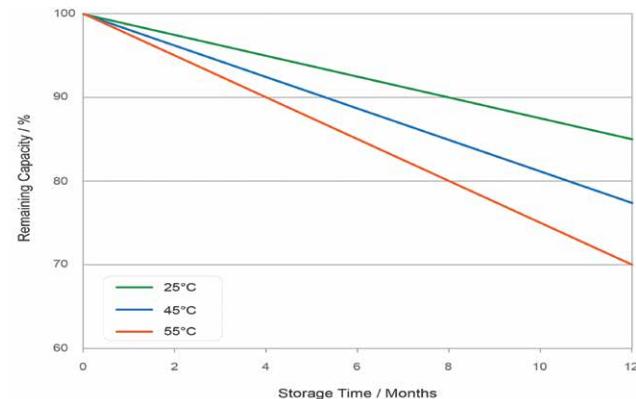
Discharging Characteristic Curve (0.33C, 0.5°C, 1C @ 25°C)



Charging Time Curve (0.33C, 0.5°C, 0.8C @ 25°C)



Different Temperature Self Discharge Curve



Different DOD Discharge Cycle Life Curve

