Configuration files

Download file, copy it to microSD card (FAT/FAT32 filesystem), insert into display and go to Controller - Updates and settings - Import.
Don't change filename, or controller will not find it. If it was renamed by system (multiple files with same name) you need to fix filename.
Standard names for controller configurations: ncconf.cfg, ncconf2.cfg, ..., ncconf9.cfg

Small geared motors

Includes PID regulators preset for small geared motors.
Import configuration 6

Sur-Ron Light Bee, 3 speed mode, configuration

Standard Sur-Ron configuration.
Default 16S battery (110A peak, 90A nominal), 500A phase, 48T wheel sprocket.
Import configuration 3 for P24F
Import configuration 2 for older controllers

Sur-Ron batteries specs:
32Ah ncr18650pf 110A max (11P) 6.6kW
34Ah ncr18650pf 110A max (11P) 6.6kW
38Ah Samsung 35e 88A max (11P) 5.3kW
40Ah NCR21700A 120A max (8P) 7.2kW
40Ah Greenway (year 2025+) 150A max 9.0kW

Talaria Sting MX3, 3 speed mode, 8kW configuration

Talaria MX3 configuration.
Default 38.4Ah 16S battery, 500A phase, 13-44T sprockets.
Import configuration 5

MX3 battery specs:
Greenway. LG 21700 Li-Ion. 60V 38.4AH (2280 Wh). 135A 8.1kW

Talaria Sting MX4, 3 speed mode, 11kW configuration

Talaria MX4 configuration.
Default 43.5Ah 16S battery, 500A phase, 13-44T sprockets.
You can setup up to 220A battery current at your own risk, this may damage battery!
Import configuration 7

Extract and import for SCUD battery (130A continious)

MX4 battery specs:
Greenway. LG 21700 Li-Ion. 60V 45Ah (2700 Wh). 180A 10.8kW
SCUD. LG 21700 Li-Ion 60V 45Ah (2700 Wh). 135A 8.1kW
N.B. some users reports that MX4 battery have about 2200wh usable.

MX5 battery specs:
Greenway. Samsung 50S cells. 72V 40Ah (2800 Wh). 210A

Talaria Sting MX4, 30kW configuration

Talaria MX4 with Sotion fw02 motor
400a battery
320a field weakening
50a boost for 9 sec
80v 45ah zemso battery
Molicel p45 cells 500a bms
Download and unzip

Talaria XXX, 3 speed mode, 6.6kW configuration

Talaria configuration.
Default 16S battery 110A 6.6kW, 400A phase, 14-48T sprockets.
Import configuration 8

Apollo RFN, 3 speed mode, 12kW configuration

Apollo RFN configuration.
Default 20S battery 200A 12.0kW, 500A phase, 12-58T sprockets.
Import configuration 4

E Ride SS Pro

E Ride SS Pro 2.0 configuration.
72V 40 Ah (2880Wh). 180A. 13.0kW

E Ride SS Pro 3.0
72V 50 Ah (3600Wh). 230A. 16.5kW

79bike Falcon Pro

79bike Falcon Pro configuration.
72V 35 Ah (2520Wh). Tesing...

From:
https://docs.nucular.tech/ - **Nucular Electronics**

Permanent link:
https://docs.nucular.tech/doku.php?id=en:controller:config-files&rev=1776831365

Last update: **2026/04/22 06:16**