Parts list and ratings

Motor large

* Max 80A
* Max 1500W

Motor small

* Max 7A input
* Max 80W input

Launchpad

* ADC pin input max 3V

Booster

* 12-60V input
* “The jumper J6, when populated, provides 3.3 V to the J1-1 interface pin to supply the C2000 LaunchPad with 3.3 V. The maximum continuous current is 300 mA. When working in a debug session, J6 should be uninstalled if the C2000 LaunchPad is connected to and powered by a USB port.”

Motor booster connectors

* Resistance:

PLECS steps

Download PLECS

Download CGT c2000

Download Uniflash

Set PLECS preferences target support packages

TI C2000 Code Generation target support packages?

Smoothly changing the frequency of the modulating sine waves.

[modulation - Numerically Controlled Oscillator (NCO) for phasor implementation? - Signal Processing Stack Exchange](https://dsp.stackexchange.com/questions/37803/numerically-controlled-oscillator-nco-for-phasor-implementation/37804#37804)

[python - When concatenating sine waves, how do I phase shift in order to prevent "pops" caused by sudden jumps in amplitude? - Signal Processing Stack Exchange](https://dsp.stackexchange.com/questions/83009/when-concatenating-sine-waves-how-do-i-phase-shift-in-order-to-prevent-pops-c)