

High-Temp – Low Power Nar Motion X

HIGH TEMPERATURE

OIL & GAS

OVERVIEW

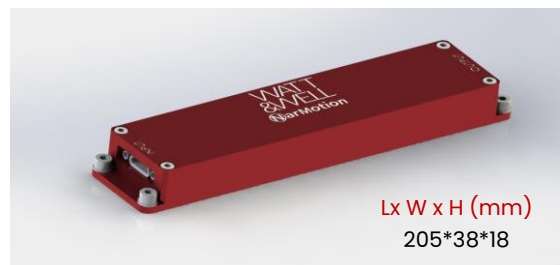
Nar Motion X is the cost-effective version for low power application, even without sensor. It is part of the Nar-motion series.

Nar-Motion X is our innovative high-temperature motor controller series, providing optimal operation **and high-reliability in harsh environment.**

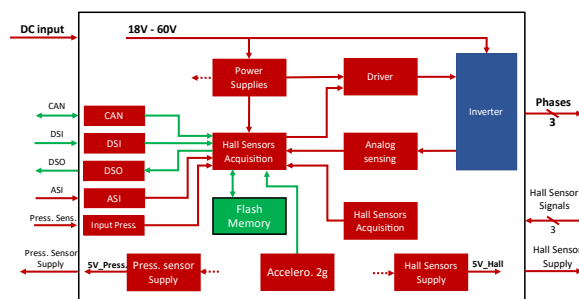
Typical applications are Downhole and Wireline Tools for Oil&Gas and Geothermal markets.

FEATURES

- Dimension (LxWxH): 205*38*18 mm (8.07 x 1.49 x 0.71 inches).
- Capability to drive Permanent Magnet Synchronous Motor with sensorless open and closed loop.
- Hall Effect Sensor closed loop compatibility (5V up to 20mA supply, open-collector compatibility).
- Nominal DC input voltage: 18V to 60V.
- Phase Current up to 4 A_{RMS}.
- 150 W Typical Output power.
- 300 W Maximum Output power.
- Maximum operating temp: 190 °C (374 °F).
- Very low Quiescent current in standby mode for battery application purpose (<20mA on full input voltage scale).
- CAN bus Communication.
- Accelerometer ±2g on 3-Axis
- Data logging on Flash-Memory (256MB).
- Input for an external Pressure sensor, millivolt output type (with a 5V supply up to 1 mA supply).
- Digital Signal Input and Digital Signal Output.
- Analog Signal Input.



BLOCK DIAGRAM



APPLICATION

- Drilling
- Wireline
- Slickline
- MWD

CUSTOMIZATION OPTIONS

- On demand