

Motor

- Tesla motors (LDU)
 - Weight: 291 lbs (132 kg)
 - Input Voltage: 240-404V DC
 - Power: 335 kW (~450HP) to 475 kW (~636 HP) depending on configuration
 - Torque: 450 Nm (~332 ft/lb) to 650 Nm (~480 ft/lb) depending on configuration
 - Max RPM: 18,000
 - Gear ratio: 9.73:1
 - Output RPM: Max 1,849
 - There is a quife (locking) differential available: <https://evshop.eu/en/accessories/164-tesla-model-s-quaife-atb-helical-lsd-for-large-drive-unit.html>
 - It is possible to control the LDU using the Open drive controller:
<https://youtu.be/ZvlzGm709zg?t=2692>
 - https://openinverter.org/shop/index.php?route=product/product&product_id=64
 - It is possible to change the gear-ratio of a Tesla motor:
<https://youtu.be/sHpQRWzb86o?t=306>
- Some would suggest it also works with the leaf motor, but I feel that's a little 'low powered'. It's only 110kw
 - https://openinverter.org/wiki/Nissan_Leaf_Motors
 - 160kw (214bhp), torque unknown.

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