

FUANTRONICS

High Power Inductor - New Energy

FUAN ELECTRONICS

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Advantages of High Power Inductor - New Energy:

High-power inductors are widely used in the boosting, filtering, conversion, and rectification in the new energy industry.

- In the field of new energy vehicles, inductors are widely used in electric drive controllers, on-board chargers, and DC-DC converters. Boost inductors increase the voltage from 400V to 800V. On-board chargers (OBC) utilize boost inductors and charging conversion inductors to improve charging efficiency. For filtering, common-mode inductors and differential-mode inductors are used to suppress various electromagnetic interferences.
- In the field of photovoltaic and wind power, boosting inductors convert the unstable DC output from photovoltaic panels into stable DC, which is then converted into AC through high-power AC inverter inductors and fed into the power grid. Input/output filtering inductors, DC common-mode inductors, AC common-mode inductors, etc., are also required in the inverter.
- In the field of energy storage, power inductors are mainly used in energy storage charging, discharging, and inverter modules. In the field of charging piles, ultra-high-power inductors are required to achieve high-power fast charging.

Part No.	Inductance	Resistance	Rated Current
FACM40253BH	2.8-25.0mH	1.7-14.0mΩ	10.0-35.0A
FACM40323BV	2.7-20.0mH	2.0-16.0mΩ	10.0-30.0A
FACM40243BV	0.35-3.0mH	1.7-13.0mΩ	10.0-35.0A
FACM46273BH	2.5-17.0mH	1.4-14.0mΩ	10.0-40.0A
FACM46273BV	2.5-17.0mH	1.4-14.0mΩ	10.0-40.0A
FACM50403BH	0.5-14.0mH	0.4-7.0mΩ	20.0-100.0A
FACM60453BH	0.5-14.0mH	0.4-7.0mΩ	20.0-100.0A
FACM50353C	0.5-18.0mH	4.0-9.0mΩ	16.0-25.0A

