

# FUANTRONICS

## High Power Inductor - New Energy

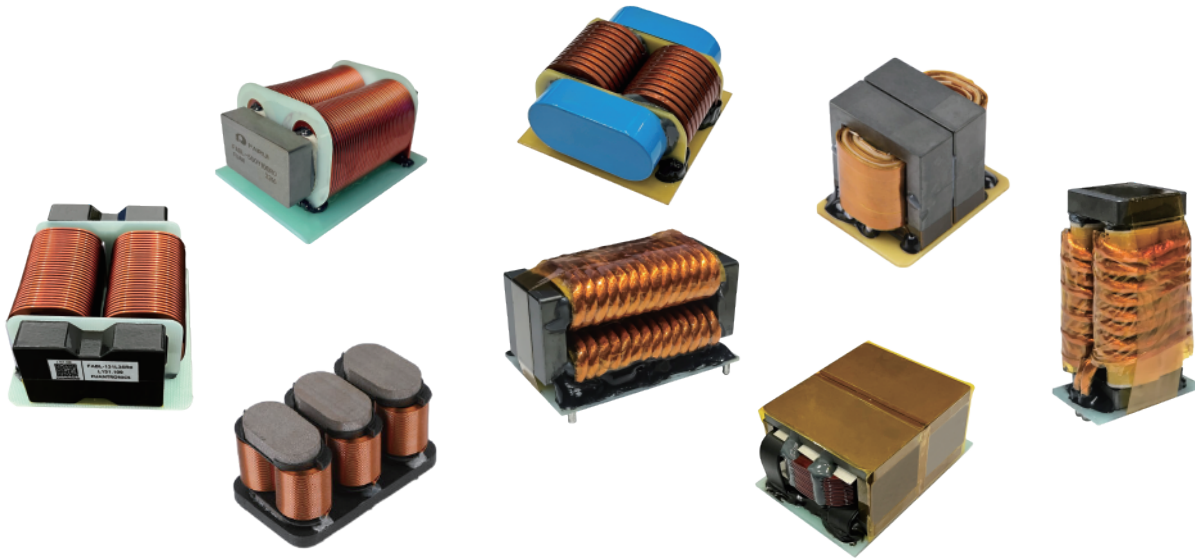


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### Advantages of High Power Inductor - New Energy:

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	
			Natural cooling	Air cooled or potting
FABL001H-1	310uH	7.8mΩ	40A	50A
FABL002V-1	310uH	7.8mΩ	40A	50A
FABL003H-1	220uH	11.8mΩ	33A	42A
FABL004H-1	100uH	5.7mΩ	60A	74A
FABL005H-1	120uH	7.0mΩ	63A	79A
FABL006H-1	200uH	4.7mΩ	80A	100A
FABL007V-1	60uH	1.7mΩ	100A	120A
FARTC-H/V	3.3-10.0uH	1.7-3.5mΩ	30-50A	-

