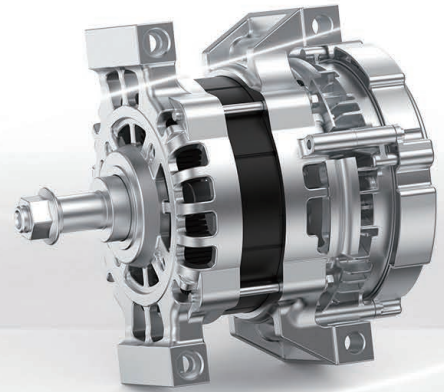


48 V Intelligent Alternator



48 V intelligent generator's overall popularity is attributed to its high safety and efficiency, which offers the best off-grid living experience.

It can achieve



Automotive-grade, safe and reliable



Wide working temperature range: -4°F ~ 221°F (-20°C ~ 105°C)

- ✓ Smooth start-stop, torque boosting during vehicle acceleration
- ✓ Power generation efficiency management and rate optimization prevent lithium battery's over-heating / over-charging damages, etc
- ✓ Energy saving and emission reduction

Technical Specifications

Model	XGen4850Z
Nominal operating voltage	40 V ~ 57.6 V
Generator performance	Peak: 11.5 kW @ >4000 rpm, 105°C, 20 s Continuous: 5.5 kW @ >6000 rpm, 105°C
Efficiency	Peak: ≥85%
Rotor inertial	≤37 kg · cm ²
Max operational speed	12000 rpm
Anti-reverse connection	Mechanical poka-yoke
Communication	CAN 2.0B
Motor type	Claw pole machine
Cooling type	Air
Motor overall protection	Motor: IP25 Inverter: IP6K9K
Nominal operating temperature	-30°C~105°C
Motor diameter	≤150 mm
Motor length	≤ 160 mm (without shaft and pulley)
Weight	≤ 19.84 lbs (9 kg)

Note: All data are based on ROYPOW standard test procedures. Actual performance may vary according to local conditions



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