



Direction of the blades of the range extender generator





Overview

The free-piston linear generator is a new energy transformation technology with compact structure, multi-fuel adaptability, low friction loss, and simple modular configuration. To advance the practical process o.



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Operating characteristics of a linear range extender with

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DeepDrive to present dual-rotor radial flow generator for range

With its dual-rotor drive technology, Munich-based startup DeepDrive specialises in compact and highly efficient electric motors. At the IAA Mobility, DeepDrive will present a range ...



The Development of Range Extender Generator By Evaluating ...

Abstract Peec-Power B.V. is developing high power range extender for hybrid electric vehicles. The first generator designs for range extender have been built and tested in the laboratory. The prototype ...



**2MW / 5MWh
Customizable**

Design considerations of a linear generator for a range ...

Abstract: The free piston linear generator is a new range extender concept for the application in a full electric vehicle. The free piston engine driven linear generators can achieve high



2MW / 5MWh
Customizable



Adopted concept of the range extender: ICE -Internal

The range extender has a maximum output power of 2.65 kW. The developed auxiliary power unit consists of a three-phase generator propelled by an industrial low-power spark-ignition engine.

[12] 869-878 220170075

Range extender modules are one option to compensate for short drive ranges of electric vehicles. The close ABSTRACT- interaction of combustion engine and generator poses new ...



Operating characteristics of a linear range extender with different

To promote the practical process of the free-piston linear generator and facilitate the faster application of the system in the electric vehicle (EV) range-extender or hybrid electric vehicles, the ...



Magnetic Field Analysis and Development



of Disk Axial-Radial ...

The generator is an important part of an EREV's range extender, and it greatly impacts the vehicle's performance. A permanent magnet generator is often used in range extenders both at

...

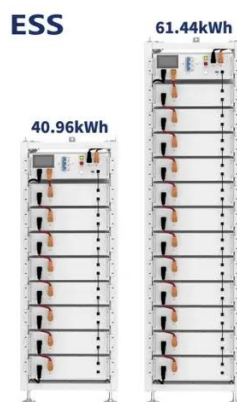


Axial flux range extender generator technology and application

I. Introduction to the Range Extender System
Currently, the main transmission systems on hybrid vehicles are the start-stop system, the belt-driven starter-generator integrated motor ...

RANGE EXTENDER (A GENERATOR TO BE BUILT IN A ...

The integrated system (engine/starter motor/generator) can reduce total weight. (generator unit: 2,200g) Our original system (patent pending) integrates an ESC for a starter motor ...





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