

■ Power Supply Specifications

1 • Power supply capacities according to supply classifications

- | | |
|--|--------|
| 1) Power supply dedicated to power charger for EVs | 30kVA |
| 2) Power supply for air compressor | 7.5kVA |
| 3) 200 V three-phase power supply | 7.5kVA |
| 4) General service power supply (AC 100 V) | 1.5kVA |

2 • Constituent Equipment Specifications

1) Power supply specifications (DC connection method)

● Power generator ① (including AVR) 8 kVA (290 V - 28 A)

* In case of engine direct connection type, at 2700 rpm (Engine:1100 rpm)

During parking: For air compressor/in-vehicle equipment power supply

During driving : For charging lithium ion battery

● Power generator ② (including AVR) 15 kVA (290 V - 55 A)

* In case of PTO driven type , at 4000 rpm (Engine:1600 rpm)

Only during parking: For quick charger dedicated to EVs

● Lithium ion battery 14.5 kVA (6 batteries connected in series 290 V - 50 A)

Type LIM 50E-12G2-C2 Nominal voltage: 44.4 V Capacity: 47.5 Ah manufactured by GS Yuasa

2) Equipment Specifications

● Quick charger 50 kVA

Target vehicles:
Vehicles compliant to CHAdeMO specifications (Rev. 0.9)

Type: Milla-E50 manufactured by Kikusui Electronics Cooperation

• Rated output voltage: 500 Vdc (50 V - 500 V) Rated output current: 125 Adc

● General purpose inverters Two units

(for air compressors and in-vehicle equipment)

• Type: FRN7.5E1S- 2J 7.5 kW (3Φ - AC 200 V) output

● 200 V - 100 V conversion transformer 1.5 kVA For AC 100 V

general service power supply

● Air compressor type: Sukesan II manufactured by KOBELCO

Mobile quick charging truck for electric vehicles (EVs)

Widely available for 【 rental 】 & 【 leasing 】 !!

Quick Charging Truck
EV用 移動急速充電車

Q電丸
Q Den-Maru
patented product



Integrated in one
and the same vehicle

Power generation
Power storage
Power feeding
All in ONE

QCV PROJECT
Quick Charging Vehicle 電気自動車用急速充電車 普及プロジェクト



Q Den-Maru's in-vehicle quick charging facility True-G50 is eligible for subsidies for "next-generation automotive charging infrastructure (in-vehicle)" from Ministry of Economy, Trade and Industry



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Telephone service is only in Japanese



Mobility Plus

Maximum output **50kVA** We will rent (dispatch) quick charging trucks for electric vehicles (EVs).



Available for 1 day to several months

Good News!!

We are offering a long-term discount system. Ask for details.

**You can just rent a truck
as well as have a truck dispatch with an operator!**

Possible applications

Electric vehicles (EVs) test run / test ride event, Test runs for new model vehicles, vehicles under development and racing vehicles, automatic driving vehicles test runs, alternative operations during inspection, maintenance and repair of charging facilities, and reinforcement measures of charging facilities during busy periods such as holiday seasons, the year-end and New Year etc.

Possible sites for rental and dispatch

Test courses (test stations) without charging facilities, Special venues for test rides, circuits, Rest areas (Japan called SAs or PAs) with charging facilities under inspection, maintenance and repair, Rest areas with heavy traffic during busy periods, test courses for new model vehicles high confidentiality on corporate properties



Test rides and previews for car dealers



Circuit test drives

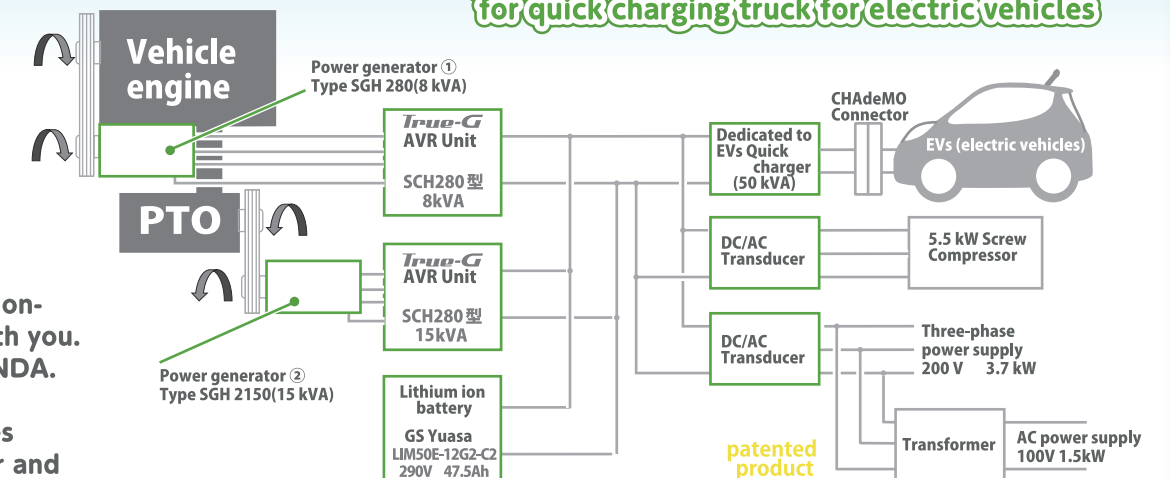
EV racing car demonstration runs



A unique power generation system enabling three-phase AC 200V/single-phase 100 V power supplies using a truck driving engine in the field where there is no power supply

Unique vehicle power generation system **True-G**

Schematic view of True-G hybrid power generation system for quick charging truck for electric vehicles

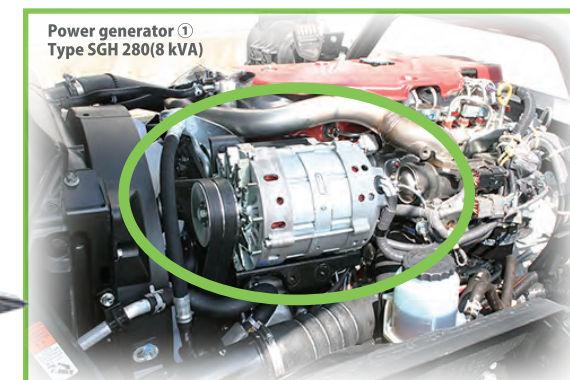


Notice

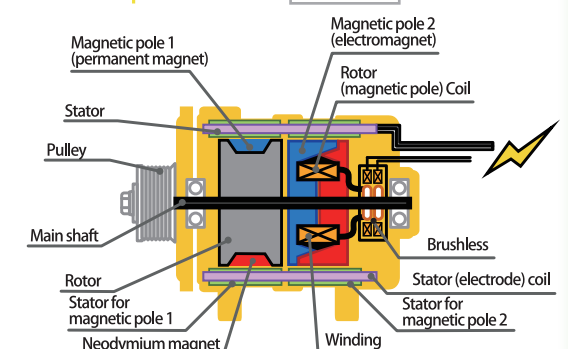
We make sure to sign a non-disclosure agreement with you. Please ask us about the NDA.

Please note that expenses related to operator labor and vehicle transfer are extra charged.

Transportation exceeding 400 km/day from our company location requires 2 persons operation.



Power generator Outline dimensions Diameter 160 mm Length 244 mm Weight 18 kg



It has been known that the use of a strong permanent magnet (neodymium magnet) in a rotor improves power generation capacity. However, this was practically not possible because the voltage cannot be controlled due to the varied engine rotation. Against this background, we have newly developed a new type power generator, which combines a permanent magnet with an electromagnet..

