

— Railway signalling and telecom power

Power supplies for railway signalling and telecom

Integrated power supplies, SMPS chargers and solar MPPT systems for signalling, telecom and level-crossing gates.

IPS with 24 / 48 / 110 V DC

SMPS up to 48 V / 800 A

100% designed and built in India


24-110 V

IPS DC voltages

800 A

48 V SMPS charger systems

90-300 V

wide SMPS input range

Pan-India

service network

— Overview

Customised power for critical railway applications

Statcon Energiaa designs and manufactures high-power converters for the railways, defence, solar, the power sector and green hydrogen. We make customised products for critical railway applications such as level-crossing gates and signalling and telecom. Design, manufacturing and testing are 100% Indian, every step is done in-house, and a pan-India service network supports every installation.



Integrated power supply (IPS) for signalling

Multiple isolated AC and DC outputs with battery backup.



LC gate IPS with solar integration

An integrated unit with solar energy that delivers multiple AC and DC outputs.



48 V SMPS charger system

Input 90-300 V / 165-260 V.

Up to 48 V / 800 A


Maximum power point tracking (MPPT)

For solar panels on top of train coaches.

— Outdoor-type IPS system

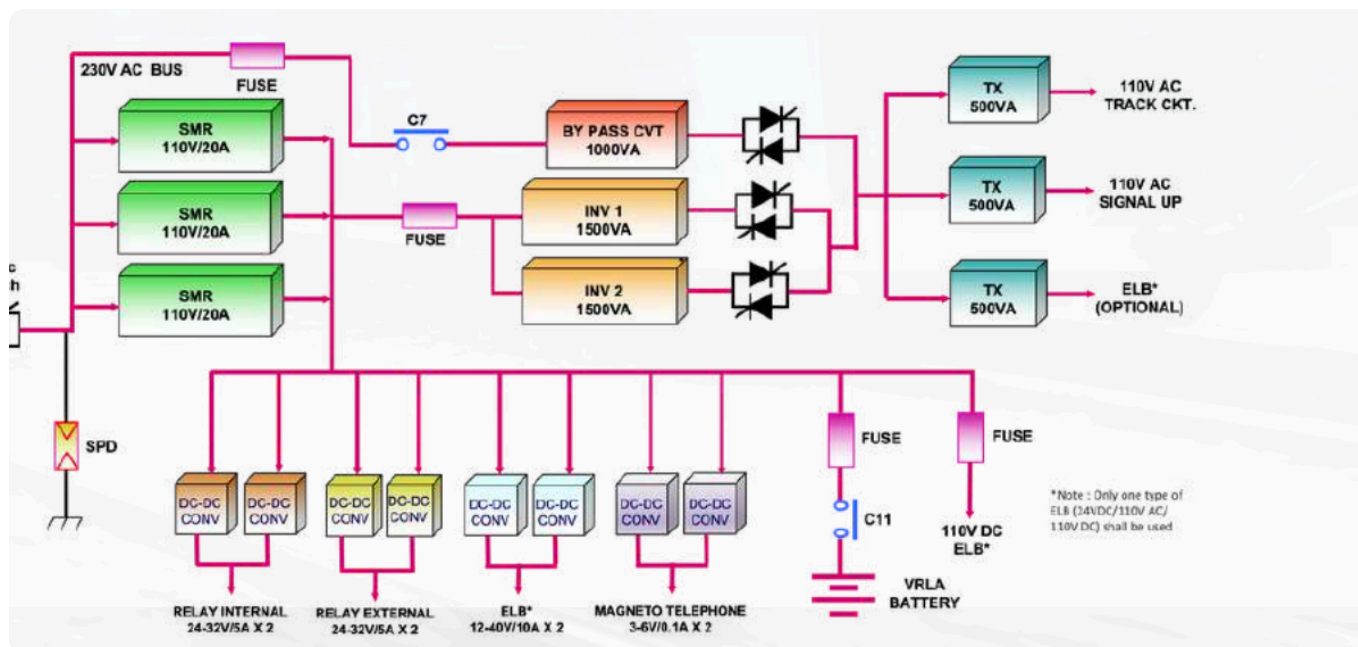
IPS for level-crossing gates

An outdoor-type integrated power supply for level-crossing gates. It needs no civil work or hut, and is available with 24 V, 48 V and 110 V DC.

- ✔ Three 110 V / 20 A switch-mode rectifiers on a 230 V AC bus
- ✔ Two 1500 VA inverters with a 1000 VA bypass CVT
- ✔ 500 VA transformers for 110 V AC track circuit, 110 V AC signal and optional ELB
- ✔ DC-DC converters for internal and external relays, ELB and magneto telephone
- ✔ VRLA battery with 110 V DC ELB output



Outdoor-type IPS installed at a level-crossing gate.



Typical block schematic of an LC gate IPS. Only one type of ELB (24 V DC, 110 V AC or 110 V DC) is used.

— We also make

- ✓ MW rectifiers for green hydrogen electrolysis
- ✓ Industrial battery chargers, distribution boards, rectifiers, battery monitoring, DC-DC converters and integrated inverter and battery solutions
- ✓ Power supplies for defence: load banks, mobile rectifier chargers and frequency converters
- ✓ MPPT solar inverters, solar container solutions and IP55 heavy-duty outdoor microgrid inverters

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