estop

INTRA
e-mobility

Refuelling electric power with INTRA photovoltaics

e-stop

Good arguments for e-stop

- ✓ **Ease of use**
- ✓ **Safe facility engineering**
- ✓ **Internet-based monitoring of charging stations**
- ✓ **Functional and customisable design**
- ✓ **Materials highly resistant to heat, as well as mechanical and chemical deterioration**
- ✓ **Configurability of system components for special requirements**

Safety and quality features

Depending on the application, certain requirements in respect of convenience and safety of use apply for the charging facilities.

Generally, the device technology of photovoltaics AG INTRA **is distinguished by ease of use and durable materials.** The use of standardised plugs with low wear and ergonomic design is the distinguishing feature of our products. Cashless settlement procedures with remote data delivery meters, differentiated customer databases, and various booking options are all vital features for the mobile power supply of the future.

Public charging stations additionally require **intuitive locking and unlocking** of plugs, **protection** against abuse, and openness to **future innovations** such as bi-directional energy transfer, a prerequisite for the development of intelligent distributed power networks.

e-stop products

e-stop maxi

e-stop is an **innovative solution for charging electric cars**, e-scooters and electric bikes. Payments are easily performed via smart card and identification with RFID.

The core competence of INTRA photovoltaics AG in the construction of solar energy plants is ideally suited for the field of electromobility. E-stop is a durable solution for charging stations - for example in addition to conventional fuel pumps, or on parking lots.

Payments are processed securely by using the Quick function of payment cards and with direct connection of the system to the Internet. Another option are **free and bonus offers** issued by retailers by assigning current quotas to customer loyalty cards - against a previously deposited balance, or as a promotional gift. The technical design of e-stop charging stations allows the optional conversion as per requirements.

The two basic design types are the **dispenser and wall outlet**. Depending on local conditions and customer needs, free-standing charging stations with a customised design or unobtrusive wall sockets are installed.

e-stop maxi

e-stop mini

e-stop mini

For E-bikes and pedelecs, the e-stop mini is the perfect compact solution, providing up to **9 charging zones**.
This durable and functional design is an optimal entry-level solution for decentralised applications of personal mobility on the basis of electric power.

e-stop home

At home, you can charge your electric vehicles using this **functional basic unit**, turning your own garage into a solar charging station.

Technical data

Payment processing

Chip card with quick function without entering PIN

Identification

RFID user card or ATM card

Operation

- Activation of socket by user card
- Automatic shut off after termination of charging process or removal of plug
- Data transmission via GPRS
- LCD with status display (end, kWh)
- Statistical data accessible online

Connectors

1 x CEE 5-pin 400 V / 16 A (incl auxiliary contact)

1 x CEE 3-pin 230 V / 16 A (incl auxiliary contact)

2 x Schuko 3-pin 230 V / 16 A (incl auxiliary contact)

Standards

ETV 2006, IEC 60439, Low Voltage Directive
ÖVE/ÖNORM E8001-1 / DIN VDE0100
Protection type IP44, protection class II

Temperature range

-30 to +70° C
Maximum relative humidity: 90% (no condensation)

Housing

- Fiberglass-polyester composite, halogen-free
- 3-point lock, ready for mounting of half-cylinder
- WxHxD 510 x 1500 x 260 mm (without foundation)
- Normed pre-set meter
- 1 x counter space for totaliser
- 4x calibratable counter (per socket circuit)
- Surge protection
- Line protection / ground fault circuit interrupter per socket circuit
- Cabinet heater / active ventilation

INTRA photovoltaics

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