

DC-DC charger TS Pro, spiral cable and TE plug

DC-DC charger TS Pro with 1-3 m spiral output cable and TE plug.The TS Pro DC-DC charger is required in vehicles that carry a power generator or a portable fire pump. The main function of the TS Pro is to gently charge the starter batteries required for the auxiliary equipment in the vehicle. Since February 2024, chargers for trickle charging starter batteries for auxiliary equipment have been included in DIN 14679 for the first time, resulting in additional technical requirements. These are met with our in-house development - e.g. a multi-stage charging characteristic.

- // Compliant with DIN 14679:2024-02
- // One device for all types of batteries
- // Power supply mode
- // Plug-in connection cables
- // User-friendly push-button adjustment of the correct charging curve

The TS Pro charger with 1-3 m spiral cable and TE plug (out) is specially designed for maintaining and recharging batteries (standard, EFB, AGM, gel, lithium) in technical equipment (e.g. starter batteries of portable pumps or generators). It is supplied from the vehicle battery and has overvoltage, overload, reverse polarity and overheating protection. The TS Pro automatically recognises the input voltage - regardless of whether it is 12 V or 24 V. The integrated undervoltage protection also protects the vehicle battery by automatically switching off the charger when the voltage falls below a threshold. When the switch-on voltage is reached, the charger switches on again.
In addition, the device has a power supply mode that enables it to be used as a DC-DC booster and outputs a voltage of 12 V continuously.
The connection cables are pluggable, which ensures universal compatibility. Optionally, a temperature sensor can be connected to the negative terminal of the battery to be charged, which is regularly checked by the TS Pro charger in order to adjust the voltage in accordance with DIN 14679.

Technical Information

Cable type DC output	Spiral cable*
Connection DC output	TE plug*
Battery capacity	10 Ah ... 50 Ah
Connection AC input	Open Cable End
Input voltage range	12.5 … 30 V (reverse polarity protected)
International Protection (IP class)	IP65
Output current (DC)	5 A
Output voltage (DC)	12 V
Output voltage (Power Supply)	12 V (short-circuit proof)
Output voltage (when charging)	10 V ... 15 V (short-circuit proof)
Protection class	III
Switch-off voltage (12 V)	< 12.5 V
Switch-off voltage (24 V)	< 25 V
Switch-on Voltage	> 13 V (26 V)
Type of battery	Standard, EFB, AGM, Gel, Lithium
Dimensions (L x W x H)	115 x 101 x 36 mm
Weight	0.3 kg

*In the chosen option