

Charger FOSSIBOT FAC580 DC-DC 580W



Model: FAC580

Manufacturer: FOSSIBOT

EAN: 6942580505008

Product Code: 1311624

R4,696

FOSSIBOT FAC580 580W DC-DC Charger

The FOSSIBOT FAC580 is a DC-DC car charger with a maximum output power of 580 W, which allows for rapid recharging of a portable power station while driving. Compared to a standard 96 W cigarette lighter socket, it can charge up to 6 times faster, and its conversion efficiency reaches 92%. The device is compatible with all FOSSiBOT power stations and 99% of models from other brands, making it ideal for use in cars, SUVs, pickup trucks, RVs, utility vehicles, trucks, or yachts.

Two operating modes tailored to the situation

The FAC580 automatically adjusts the output power to the input voltage, helping to efficiently utilize energy from the vehicle's electrical system. In Mode 1, designed for charging while driving, at voltages between 13.2–14 V, the output power is a maximum of 300 W; above 14 V, it automatically

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increases to 580 W; and below 13.2 V, charging is interrupted. Mode 2 is designed for emergency situations when the engine is off—it provides up to 300 W at a voltage of 12–12.75 V and up to 580 W above 12.75 V, whereas if the voltage drops below 12 V, the device automatically cuts off the power to protect the car’s battery from over-discharge.

Stable Charging and Multi-Level Protection

The professional cooling system uses a fan on the left side and a ventilation opening on the right, which helps maintain stable operation and charging power. The FAC580 also offers multi-level protection, including protection against overvoltage and undervoltage, overcurrent, short circuits, reverse connection, and excessive or insufficient temperature. The system simultaneously protects the vehicle’s battery, the charger itself, and the connected power station, which enhances safety during long trips and intensive use.

Included in the set

- FAC580 charger
- 5 m vehicle battery cable
- 0.5 m power station cable
- Screws (x6)
- Terminal covers (x4)
- Screwdriver
- User manual

Manufacturer	Fossibot
Model	FAC580
Weight	0.8 kg
Dimensions (W x D x H)	182 × 162 × 47 mm
Charging input voltage range	12–18 V / 24–33 V
Maximum charging input current	45 A
Undervoltage protection threshold	12 V

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Resumption voltage after undervoltage protection	12.5 V
Overvoltage protection threshold	35 V
Voltage at which charging resumes after overvoltage protection	31 V
Output power	580 W
No-load output voltage	45–48 V
Maximum output current	15 A
Charging conversion efficiency	92%
Operating temperature	From -20°C to 50°C
Standby power consumption	3 W

Gross weight: 3270, Net weight: 17400, Box length: 33,00, Box width: 29,50, Box height: 7,50,
 Portable power station included: Yes, Expandability: Yes, GPSR Link: https://psr-assets.innpro.pl/energy/sg_energy_power_stations.pdf, Information about data generation: <https://dataact.innpro.pl/FOSSIBOT/6942580505008>, PPWR: <https://ppwr.innpro.pl/en/fossibot>, Last delivery: 06.10.2026

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