SKYCHARGE

Setting the standard of cutting-edge electric plane charging

- **The world's first standard electric airplane** charging station powered by Green Motion and Pipistrel.
- **SKYCHARGE is built on Green Motion's proprietary RANGEXT technology,** bringing world's highest performing charging station – with efficiency higher than 96% – to electric airplane.
- **Bidirectional Vehicle-to-Grid (V2G) ready.** The first charging station for electric plane with smart grid functionalities.
- **Tried and tested technology.** In use at two Swiss airports since spring of 2019.
- **EASA Approved.**

Standardized electric plane charging solution

Up until now, there was no standard for electric plane charging. As a result, each airport is equipped differently. With SKYCHARGE powered by Green Motion and Pipistrel, an open worldwide standard is now taking shape to prove state-of-the art electric plane charging.

Designed for electric planes UAM (Urban Air Mobility) and eVTOL (electric vertical takeoff and landing) charging

SKYCHARGE comes with GB/T connector (or other connectors upon request) and a 10-inch touch screen indicating battery health, temperature, voltage and charging status, among other.

Recognized companies

Green Motion and Pipistrel are members of SAE International's AE-7D Aircraft Energy Storage and Charging Committee, which gives them a privileged position in the setup of an internationally accepted aerospace standard in e-flight charging.

On the picture: Ivo Boscarol, Founder and president of Pipistrel companies, François Randin, Founder and CEO of Green Motion

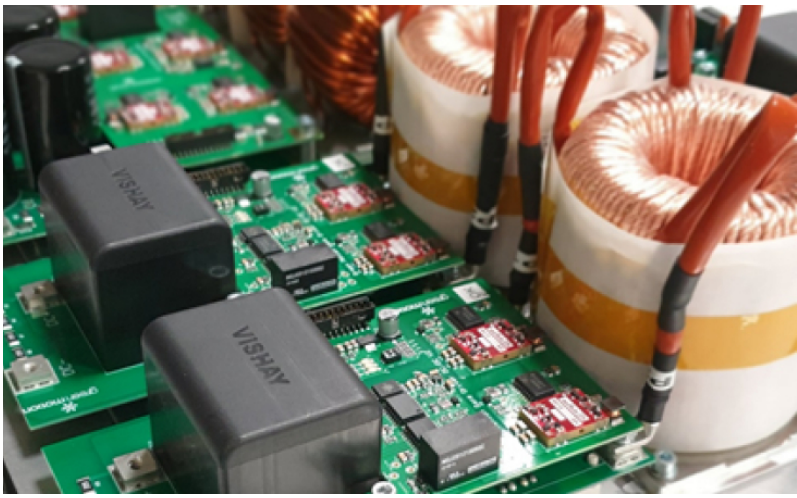
Compatible with EATON xStorage solution

Easy to install, it can be combined with a photovoltaic system and cutting-edge storage solutions to enable self-consumption.

With Green Motion POWER MODULE inside

Engineered by Green Motion, they feature ultra-high power density (1.13 kg/kW), optimized sound power levels and air-cooled technology.

Find out more



Power input

	SKYCHARGE
Input voltage	3 x 400V_{AC} 50Hz
Input current	3 x 32A_{rms} (22kW)
Power factor	> 0.99
Standby consumption	< 50W

Power output

Output power	22kW
Output voltage	530V_{DC} (can be increased to 1000V_{DC})
Output current 22kW	55A_{DC}
Output type	GB/T connector
Efficiency	> 96%
Simultaneous charging	1

User interface & control

User interface	Button, charging status indicator, 10 inch touchscreen display
Access control	RFID
Network interface	Ethernet cable; 3G,4G or 5G
Remote management	Software management system (eMobility Cockpit)

Environmental

Operating temperature	-25°C to 45°C
Altitude	Up to 2,000m (6,500 ft.)
Installation	Column, indoor or outdoor
Humidity	< 95% relative humidity

Mechanical

Dimensions	1705 x 475 x 222 mm
Weight	85kg
Housing material	Stainless steel
Cooling	Fan cooling
Cable length	8 meters; 27 ft (custom length on request)

Regulation

Conformity	AS6968 pending; IEC 61851-1; EASA Approved; Pipistrel approved charger
Protection rating	IP54
Communication protocol	OCPP 1.6J
Bidirectional	V2G
Protection	Protection against surge, over current, over voltage, short circuit, over temperature, ground faults, insulation monitoring device, galvanic insulation

Contact

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Certifications