

> CHARGING STATION

With the increasing number of charging points worldwide, the risk of accidents due to collisions is rising. In addition, there is damage due to environmental influences and vandalism, which has a negative impact on customer loyalty. The charging station developed by paXos always protects the power electronics even in the event of a collision thanks to the design chosen (predetermined bending point) and the materials used.



- > Predefined bending points on the underside of the housing, power electronics remain protected even in the event of collisions
- > High resistance to vandalism due to robust housing and retractable head section



We support you in your projects in the areas of energy technology, automotive and industry from the initial product idea through prototype construction to the start of series production or from the greenfield to the finished factory and production start. In our innovation division, we also develop highly efficient and forward-looking solutions in the field of renewable energies and electromobility. We look forward to getting in touch with you!



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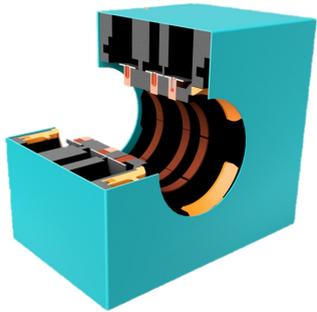
ELECTROMOBILITY



HIGH PERFORMANCE CHARGING SYSTEM (HPCS)

CHARGING PLUG & CHARGING SOCKET

With a reliable high-performance charging system, the electrification of cars, commercial vehicles, ships and even aircraft is possible. In order to achieve broad acceptance, a short charging time (idle time) is necessary, especially in the area of commercial vehicles, as this is the only way to ensure economic efficiency. The charging plug "Cool-Load Megawatt" from paXos provides exactly the solution for this.



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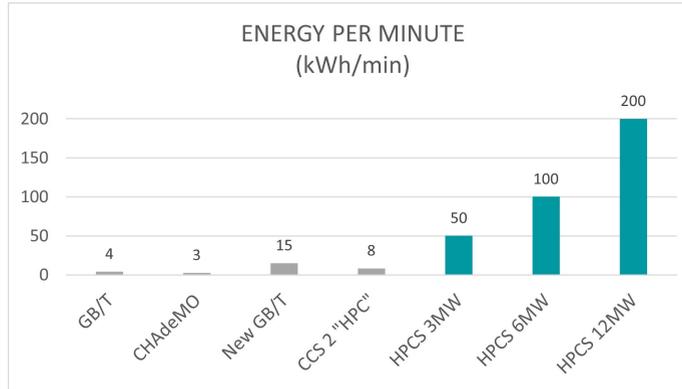


on the basis of a decision by the German Bundestag



- > Large, scalable contact surfaces with radial connection between plug and socket ensure low contact resistance
- > High contact pressure and almost force-free insertion process due to automatic contacting mechanism
- > Direct cooling of contacts and cables

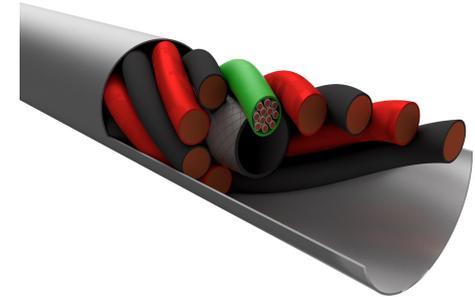
TECHNICAL DATA



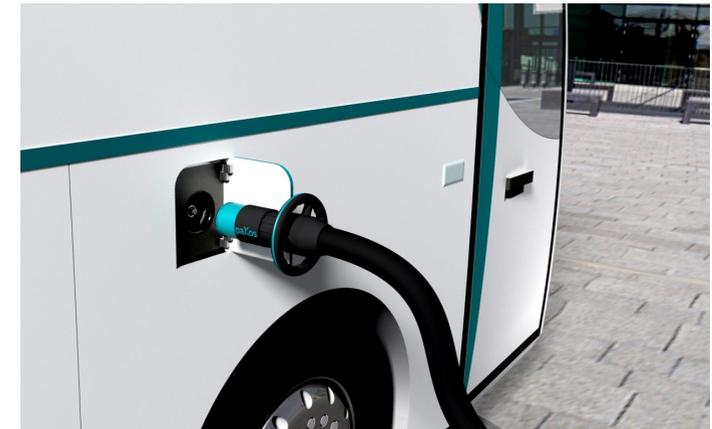
In the future, the classic "pin & socket" connector will be one of the limiting factors within the charging infrastructure. The increase in the size of the connectors leads proportionally to higher plug-in forces, which have a negative impact on operability. With the "Cool-Load Megawatt" from paXos, which has ring-shaped contact surfaces, the charging power can be adapted to future requirements simply by scaling the connector diameter. In this way, outputs of up to 12MW are possible.

Parameters	HPCS 3 - 12MW
Power	3 - 12MW
Rated voltage	1500V
Rated current	2000A - 8000A
Contact area	2200 - 11000mm ²
Surface pressure	> 100N
Handling	Disoriented contacting
Cooling	Direct contact cooling

CHARGING CABLE



The division of the power cables into several small individual ones and the stranding of these individual wires results in a high flexibility of the charging cable. In the center of the cable is the supply line for the coolant, which flows back between the individual, insulated cores. This provides excellent cooling and high flexibility of the cable. In combination with the paXos charging plug, a particularly powerful and convenient charging system is provided.



You can find more information about our products here:

