

Epiroc charging products

A flexible solution for all types of battery electric vehicles



Flexible charging for battery powered machines

Epiroc offers flexible charging solutions for all types of battery electric vehicles. This also includes giving input for design of charging bays as well as offering lifting tools for Epiroc batteries.

All power cabinets are built up by a common plug and play 40 kW power module

Main benefits

Powerful cabinets in order to ensure that machines in all sizes are supported and can be charged within reasonable time.

Mobile model to ensure that battery powered machines have the possibility for charging at any given time or place.

Flexible to fit all applications and machines, in any given environment.

Possibility to connect up to 4 charging posts for each charging cabinet

For a 160 kW power cabinet a multi voltage transformer is offered as an option

Robust design with plexiglass to protect against contact with high voltage. Electronic coating to protect against the harshest of environments.





All chargers are CE and CSA certified, UL certification is ongoing.

Charging products are offered and supported globally by trained Epiroc service technicians. Service agreements on different levels are also available.

Power is adjustable per charging post in 20 kW increments. For example 160 kW from one charging cabinet can be split into 80+40+20+20 kW among 4 charging posts.



7-meter cable is standard for all charging posts

Equipped with an interlock switch that cuts power when opened

Mobile charger comes with a 5-meter cable as standard

CCS 2.0 (combo 1 and combo 2 connector) global standard, in line with global mining guidelines

Cloud connection for wireless software updates and monitoring

Supporting a zero-emission future

The mining industry is moving towards zero-emission and we are offering several machine models with a battery powered driveline. To support your investments in this new technology, we offer a wide range of chargers and charging posts that can be customized for your individual needs.



+ Charging products

Every time you are designing your charging bay in the mine, a flexible solution is needed. Therefore we can offer you charging products with a numerous amount of options. These products are created to suit all types of operations no matter when and where.



+ Service agreements

Service agreements are available for our charging products. The customer is given several options of service at 3 different levels. This will give a good maintenance plan for a long lasting high performance product.



+ Connectivity

There is a lot of advantages of having your charger connected. As a customer it will be easy for you to monitor your charging products remotely through a cloud service. When a new software is available or if the system needs any attention, it can be updated remotely by an Epiroc service technician.



Batteries as a Service

With Batteries as a Service we eliminate the risks of owning batteries and provide all the benefits of electrical power. We will take full responsibility for the batteries, from certification to maintenance and technology upgrades, using a truly circular business model.

The batteries can be used in Epiroc equipment and with other Original Equipment Manufacturers (OEMs).

Charging bays

Epiroc charging products is more than just chargers. There needs to be a dedicated area in the mine where machines are charged. We call it charging bays; they can be designed in many different configurations depending on the equipment and battery fleet size. To support efficiency we offer charging bay design support to ensure maximum output of your battery equipment. 3D models can be created to illustrate the future charging bay to suit your specific needs.

Lifting tools

When swapping batteries safety is of outmost importance. This is one of the reasons why we have developed a customized lifting tool for each battery model. The lifting tool secures the weight and balance, to keep the battery steady when swapping. This makes the swap safer as well as more efficient for the operator.

Technical specifications

Measurements and part numbers

Models	160 kW Power cabinet	160 kW Power cabinet MV	320 kW Power cabinet	Charging post	Mobile charger
Space claim (DxWxH)	825 x 650 x 2195 mm	825 x 1250 x 2195 mm	825 x 1250 x 2195 mm	420 x 420 x 1800 mm	670 x 640 x 1220 mm
Mass	400 kg	680 kg	800 kg	80 kg	130 kg
Part number	9464 9000 16	9464 9000 17	9464 9000 01	9464 9000 06 (CCS 2.0 combo 1) 9464 9000 07 (CCS 2.0 combo 2)	9464900008 (CCS 2.0 combo 1) 9464 9000 09 (CCS 2.0 combo 2)

Technical information

Models	160 kW Power cabinet	160 kW Power cabinet MV	320 kW Power cabinet	Charging post	Mobile charger
CCS 2.0 combo 1	N/A	N/A	N/A	Yes	Yes
CCS 2.0 combo 2	N/A	N/A	N/A	Yes	Yes
MV transformer built in	No	Yes	No	N/A	No
Charging cables	N/A	N/A	N/A	1	1
Length charging cables	N/A	N/A	N/A	7 meters	5 meters
Input voltage levels	380-480 V @ 50-60 Hz	480-1000 V @ 50-60 Hz	380-480 V @ 50-60 Hz	N/A	380-480 V @ 50-60 Hz
Nominal input power	174 kVa	174 kVa	347 kVa	N/A	44 kVa
Nominal input current	250 A	Depending on input voltage	500 A	N/A	63 A
Max output power	160 kW	160 kW	320 kW	N/A	40 kW
Max output current	See max output current for charging post	See max output current for charging post	See max output current for charging post	200 A	60 A
Output voltage levels	200 - 800 V DC	200 - 800 V DC	200 - 800 V DC	N/A	200 - 800 V DC
Normal operational temperature (Works with less power over and under limits)	-30°C to +40°C	-30°C to +40°C	-30°C to +40°C	-30°C to +40°C	-30°C to +40°C
IP class	IP54	IP54	IP54	IP54	IP54

Certifications

Models	160 kW Power cabinet	160 kW Power cabinet MV	320 kW Power cabinet	Mobile charger	Charging post
CE	Yes	Yes	Yes	Yes	Yes
CSA	Yes	Yes	Yes	2022	Yes
UL	Yes	Yes	Yes	2022	Yes





United in performance. Inspired by innovation.

Performance unites us, innovation inspires us, and commitment drives us to keep moving forward. Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead tomorrow.
[epiroc.com](https://www.epiroc.com)

