

# Huawei charging pile optical module



## Overview

Huawei announced plans to release the HiCharger DC fast charging module, marking its entry into electric vehicle charging pile manufacturing. The module converts 380V AC to 200-1000V DC power, boasting a 0.6% failure rate versus the 3%-5% industry average. This enterprise started by communication is one. From "charging for one hour and queuing for four hours" to "having a cup of coffee and starting with a full charge", overcharging technology has gradually matured and been commercialized, bringing great convenience to new energy vehicle users. The core values of Huawei FusionCharge's. The innovative value of Huawei's new generation of 40kW DC charging modules is mainly reflected in the following four aspects: More reliable: Using innovative full glue and full isolation process, it can operate reliably for a long time in harsh environments, and the annual failure rate is less.



## Article Content

Mar 27, 2026

### Huawei Optical Module Common Models

Huawei's main business scope is switching, transmission, wireless and data communication telecommunication products, providing network equipment, services and solutions in the field of

Mar 13, 2026

### Huawei Unveils FusionCharge, offers Next Gen 40kW

Huawei has just announced a new generation for EV charger technology at the 35th International Electric Vehicle Symposium & Exhibition

Aug 07, 2025

### PEN Passive Aggregation Module

This section describes the hardware of the PEN passive aggregation module. The PEN passive aggregation module, also known as passive optical splitter or passive multiplexer, splits and

Aug 13, 2025

### Understanding Pluggable Optical Modules

Therefore, when using such optical modules, select optical fibers of an appropriate length to ensure that the actual receive power is smaller than the overload power. If the optical fibers connected to a long

Feb 09, 2026

### EV Charging Module & Module Charging | Huawei

Huawei FusionCharge charging module integrates air-cooled solutions, supports robust charging networks, and delivers seamless, efficient services for EV

Mar 19, 2026

### Typical Troubleshooting Cases of Optical Module

Check whether the information is consistent with the optical module specifications provided in the product documentation. (For details about the commands for querying port information, see the

Dec 08, 2025

### Huawei introduces its next-generation FusionCharge 40 kW DC

This reliable, low-noise and highly efficient charging module is expected to become the core of electric vehicle (EV) charging facilities, so users can enjoy a better charging experience while

Apr 30, 2026

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Nov 06, 2025

Networked Smart Charging Solutions for EVs | Huawei

Huawei delivers networked smart charging solutions to build scalable EV charging networks, integrating FusionCharge, liquid-cooled fast charging, and modular

Dec 12, 2025

Optical Amplifier Module

Table 1-299 Optical Amplifier-QSFP28-SMF-1535nm~1547nm specifications

Mar 07, 2026

Understanding Hybrid Modules

Understanding Hybrid Modules A hybrid module supports optical and electrical transmission and allows for PoE power supply. It can connect to a hybrid cable 2.0 or a common optical cable. Figure 15-10

Oct 25, 2025

Displaying Optical Module Information

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module quality. The functions include the installation and removal, transmit and

Aug 31, 2025

Huawei releases a new generation of 40kW DC charging

Support EMC Class B, suitable for all scenarios; wide voltage range, meet the charging needs of different models (different charging voltages), and

Nov 22, 2025

Huawei Data Center Network Short-Distance Optical Module Portfolio

- The main difference between the BIDI optical module and the traditional two-fiber bidirectional optical module is that the BIDI optical module is equipped with a wavelength division multiplexer (WDM)

Jun 28, 2025

#### Huawei Tests "FusionCharge" Piles

The pictures showed that the charging piles are the same red color as Huawei's brand logo, and each is designed in one pile for one charge. There

Feb 18, 2026

#### Charging pile technology innovation, Huawei launches

The liquid-cooled charging module used in the fully liquid-cooled charging pile does not have any air ducts on the front or back. It only relies on the

Jun 11, 2026

#### Types of Optical Modules

Therefore, when using such optical modules, select optical fibers of an appropriate length to ensure that the actual receive power is smaller than the overload power. If the optical fibers connected to a long

Mar 07, 2026

#### HUAWEI LAUNCHES HOME CHARGING PILE FOR NEW ENERGY

If a 120 kW charging pile is equipped with Huawei's charging module, about 1140 kWh of electricity can be saved each year. Quiet: Huawei's charging module is 9 dB quieter than the industry average.

Jul 19, 2025

#### Charging Pile-Charging Module Introduction and Market Development

The HUAWEI HiCharger DC fast charging module adopts full glue filling and full isolation protection technology to solve the problem that the air-cooled charging module is easily affected by

Dec 25, 2025

#### Huawei Technical Support

This document provides technical details about 1Gbps eSFP Optical Modules, including specifications and support information.

Mar 02, 2026

#### Future All-optical Network Architecture and Key Technologies

Evolving towards the 2030 optical communications network system and architecture is a key issue facing the optical communications industry and requires viable technical options for building future

Apr 10, 2026

Huawei to launch DC charging pile for electric vehicle

Huawei announced plans to release the HiCharger DC fast charging module, marking its entry into electric vehicle charging pile manufacturing. The module converts 380V AC to 200-1000V

Dec 24, 2025

10GE SFP+ Optical Modules

OMXD30000 OSX010000 OSX040N01 OSXD22N00 SFP-10G-BXD1 SFP-10G-BXU1  
SFP-10G-ER-1310 SFP-10G-ER-SM1270-BIDI SFP-10G-ER-SM1330-BIDI SFP-10G-LR-I  
SFP-10G-USR SFP-10G

Feb 25, 2026

Huawei Launches the Next-Generation FusionCharge

Equipped with Huawei's charging module, a 120kW charging pile can save 1140kWh of electricity each year. Quiet: Huawei's charging module is 10 dB

Dec 27, 2025

Huawei Technical Support

Learn how to display optical module information on Huawei devices using specific commands and understand the diagnostic details of optical modules.

Feb 04, 2026

EV Charging Module & Module Charging | Huawei

The module can output constant power within the voltage range of 150-1000V, compatible with existing and planned vehicle models and supporting continuous

## Contact Us

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