

CHARGEDØT

# Obsidian

Smart charging for  
modern homes



Energizing the future



### **Efficient Charging**

Charge at up to a maximum of 32A, creating 22kW of power for increased charging speed. Low standby power for energy-saving and cost optimization.

### **Seamless Connectivity and Control**

Manage and optimize charging remotely with Wi-Fi, bluetooth, and app integration.

### **Built for Harsh Conditions**

Extensively tested and certified to endure harsh environments of temperatures between -30°C to +50°C, with IP55 dust and water protection and IK10 impact resistance.

### **Enhanced Safety**

Multiple layers of electrical protection for enhanced safety. Constructed with flame-retardant and fire-resistant materials, with built in RCD, surge protection and ground monitoring. Emergency-stop option available for added safety.

### **Designed with Style**

Modern design that complements the home environment.

## Product Characteristics

|                               |                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connector                     | Type 2, fixed charging cable                                                                                                                                                |
| Rated Power                   | 7kW / 32A (1-phase)<br>22kW / 32A (3-phase)                                                                                                                                 |
| Nominal Voltage               | 1-phase: 230 V, 50/60 Hz<br>3-phase: 400 V, 50/60 Hz                                                                                                                        |
| Earthing Systems              | TT, TN-C, TN-S, TN-C-S                                                                                                                                                      |
| IP / IK Rating                | IP55, IK10                                                                                                                                                                  |
| Operating Temperature         | -30...+50 °C (derating may apply)                                                                                                                                           |
| Storage temperature range     | -40...+85 °C                                                                                                                                                                |
| Operating Humidity / Altitude | Up to 2,000m                                                                                                                                                                |
| Dimensions (H × W × D)        | 412.6 x 252 x 122.4mm                                                                                                                                                       |
| Input Power Cable Length      | 0.8m                                                                                                                                                                        |
| Mounting                      | Wall-mount                                                                                                                                                                  |
| Protection                    | Over/undervoltage protection,<br>surge protection, short circuit protection,<br>leakage detection, overcurrent protection,<br>overheating, emergency stop button (optional) |

## User Interface

|                                      |                                                       |
|--------------------------------------|-------------------------------------------------------|
| Display & Indication                 | Multicolor status LED                                 |
| Authentication                       | RFID tags                                             |
| User Interface / Installer Interface | AC user app or portal /<br>AC installer app for setup |

## Connection

|                 |                                                                |
|-----------------|----------------------------------------------------------------|
| Connectivity    | Wi-Fi, Bluetooth 5.0, RFID,<br>ISO/IEC 14443A, MIFARE™ Classic |
| Standards       | CE, CB, IEC61851-21-2, IEC62196-1/2                            |
| Warranty Period | 36 months from manufacturing date                              |

Variant options to meet  
use case requirements.

## Variant Names

### Product Code

OBCE-W7-G5-R00-0

OBCE-W7-G5-R00-E

OBCE-W7-G5-R0W-0

OBCE-W7-G5-R0W-E

OBCE-W22-G5-R00-0

OBCE-W22-G5-R00-E

OBCE-W22-G5-R0W-0

OBCE-W22-G5-R0W-E

### Description

Obsidian CE , 7kW with 5m cable, RFID, Bluetooth

Obsidian CE, 7kW with 5m cable, RFID, Bluetooth, E-Stop

Obsidian CE, 7kW with 5m cable, RFID, Bluetooth, WiFi

Obsidian CE, 7kW with 5m cable, RFID, Bluetooth, WiFi, E-Stop

Obsidian CE, 22kW with 5m cable, RFID, Bluetooth

Obsidian CE, 22kW with 5m cable, RFID, Bluetooth, E-Stop

Obsidian CE, 22kW with 5m cable, RFID, Bluetooth, WiFi

Obsidian CE, 22kW with 5m cable, RFID, Bluetooth, WiFi, E-Stop

**Chargedot Shanghai New Energy Technology Co., Ltd.**

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