

# OC EVD-40D

Ocular EV DC Charging Station

OCULAR



## LEADING - EDGE TECHNOLOGY

Large capacity DC charger for public charging station, CCS/CHAdeMo plugs

### Features



*Programmable charging mode*



*7" touch screen*



*Comprehensive protection*



*Australian standard*



*Multiple communication modes*



*Dual output ports*

# Datasheet

## OC EVD-40D

### Input & Output

|                             |                                              |
|-----------------------------|----------------------------------------------|
| Input voltage               | 260~530V AC                                  |
| Rated input voltage         | 400V AC                                      |
| Frequency                   | 50Hz/60Hz                                    |
| DC plug type                | CCS Type 2 x 2, CHAdeMO, double plugs        |
| Output voltage range        | CCS(150-750V), CHAdeMO(150-500V)             |
| Max. output power           | 40kW                                         |
| Max. output current         | CCS 80A, CHAdeMO 80A                         |
| Voltage accuracy            | $\leq \pm 0.5\%$                             |
| Current accuracy            | $\leq \pm 1\%$ (at 20%~100% of rated power)  |
| Voltage-regulating accuracy | $\leq \pm 0.5\%$                             |
| Current-regulating accuracy | $\leq \pm 1\%$                               |
| Ripple coefficient          | RMS: $\leq \pm 0.5\%$ ; Peak: $\leq \pm 1\%$ |
| Metering accuracy           | 0.5%                                         |
| Efficiency                  | $\geq 95.2\%$                                |
| Cable Length                | 5m                                           |

### Protection

|                          |     |
|--------------------------|-----|
| Over voltage protection  | Yes |
| Under voltage protection | Yes |
| Over load protection     | Yes |
| Short circuit protection | Yes |
| Earth leakage protection | Yes |
| Over-temp protection     | Yes |
| Lightning protection     | Yes |

### Function & Accessory

|                  |                     |
|------------------|---------------------|
| Display          | 7 inch touch screen |
| Ethernet/WIFI/4G | Yes/Opt/Opt         |
| Payment support  | RFID/QR(standard)   |
| Indicator        | Yes                 |
| Emergency stop   | Yes                 |

### Working Environment

|                           |                       |
|---------------------------|-----------------------|
| Protection degree         | IP54                  |
| Operating temperature     | -20°C ~ +50°C         |
| Relative humidity         | 5%-95% non-condensing |
| Maximum altitude          | 2000m                 |
| Cooling                   | Forced air cooling    |
| Standby power consumption | <25W                  |
| Noise emission            | $\leq 65$ db          |

### Mechanical

|                   |               |
|-------------------|---------------|
| Dimension (W/H/D) | 558/775/298mm |
| Weight            | 90KG          |

### Certificate

|             |         |
|-------------|---------|
| Certificate | CE, RCM |
|-------------|---------|