

# DC RAPID CHARGER – S3

# 120KW — 180KW

 AIR-COOLED, FLOOR MOUNTED

 PRODUCT DATASHEET / MAY 2026



 **Reliable**

Product  
Reliability

## 99%

 **Cloud Enabled**

Monitoring  
& Assistance

## 24/7

 **Built To Last**

Service  
Life

## 10Yr

## KEY FEATURES

- ↳ Dual tethered connectors for simultaneous charging of 2 vehicles
- ↳ Remote software updates and diagnostics
- ↳ Seamless integration with OCPP 1.6J / 2.0 / 2.0.1 protocol
- ↳ Multiple payment options — app, RFID, credit card, and smartphone
- ↳ Three-phase connection
- ↳ 10" LCD Touch Screen
- ↳ 2-year warranty



DC RAPID CHARGER – S3

⌵ 120kW

⌵ 160kW

⌵ 180kW

PRODUCT CODE

TP-EVPD120KW

TP-EVPD160KW

TP-EVPD180KW

⌵ ELECTRICAL INPUT

|                     |                                 |       |       |
|---------------------|---------------------------------|-------|-------|
| Supply System       | 3P+N+PE, TN/TT                  |       |       |
| Supply Voltage      | 400 V AC (±15%)                 |       |       |
| Supply Frequency    | 50 ±1 Hz                        |       |       |
| Rated Input Current | 200 A                           | 270 A | 300 A |
| Power Factor        | ≥0.98 at 50 – 100% output power |       |       |
| THD                 | <5% at 50 – 100% full load      |       |       |
| Charging Efficiency | ≥94% at nominal output power    |       |       |

⌵ ELECTRICAL OUTPUT

|                                |                                           |        |        |
|--------------------------------|-------------------------------------------|--------|--------|
| Output Voltage Range           | 150–1000 V DC                             |        |        |
| Maximum Current                | CCS2: 350 A / GBT: 350 A / CHAdeMO: 200 A |        |        |
| Maximum Power                  | 120 kW                                    | 160 kW | 180 kW |
| Maximum Power Per Connector    | 120 kW                                    | 160 kW | 180 kW |
| Conector Type                  | CCS2 / GBT / CHAdeMO                      |        |        |
| Number of Connectors / Outputs | 2                                         |        |        |
| Cable Length                   | 5 m, others optional                      |        |        |

⌵ CONNECTIVITY AND COMMUNICATION

|                      |                              |
|----------------------|------------------------------|
| Network Connectivity | Ethernet (RJ45) / Wi-Fi / 4G |
| Backend Protocol     | OCPP 1.6J / 2.0 / 2.0.1      |

⌵ USER INTERFACE AND ACCESS CONTROL

|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| Display / HMI              | 10" LCD Touch Screen and 32" LCD Colour Screen            |
| LED Status Indication      | LED status indication                                     |
| RFID                       | RFID: ISO/IEC 14443 A/B; MIFARE, 13.56 MHz                |
| Authentication And Payment | App, QR Code, MAC Authentication, Card Payment (optional) |
| Metering                   | 2 x DC energy meter, CE–marked                            |

⌵ ENVIRONMENTAL CONDITIONS

|                               |                              |
|-------------------------------|------------------------------|
| Operating Temperature         | –25°C to 50°C                |
| Storage Temperature           | –30°C to 70°C                |
| Altitude                      | ≤2000 m                      |
| Humidity                      | 5% to 95% non–condensing     |
| Ingress And Impact Protection | IP54, IK10 (screen excluded) |
| Noise                         | <70 dB                       |

⌵ SAFETY AND PROTECTION

|                                  |                                                                                                                                                                                                                                                                              |                |                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| Integrated Protections           | MCCB 3P, 250 A                                                                                                                                                                                                                                                               | MCCB 3P, 400 A | MCCB 3P, 400 A |
| Physical Security And Access     | Emergency stop button / RDC–DD, 6 mA DC leakage detection / Overvoltage and undervoltage protection / Overcurrent protection<br>Output PE continuous continuity checking / Surge protection device (SPD), Type 2, fused / 2 x Insulation monitoring / Temperature monitoring |                |                |
| Special Environmental Protection | Galvanised steel, powder–coated, salt–spray resistant                                                                                                                                                                                                                        |                |                |

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⌵ MECHANICAL DATA

|                  |                                    |
|------------------|------------------------------------|
| Dimensions       | 913 x 725 x 1865 mm                |
| Weight           | 404 kg                             |
| Mounting         | Floor mounted                      |
| Cable Management | Lockable retractable cable support |
| Cooling System   | Forced-air cooling                 |

⌵ COMPLIANCE AND STANDARDS

|                           |                                                     |
|---------------------------|-----------------------------------------------------|
| Charging Protocol Support | ISO 15118; DIN 70121; GB/T 27930; CHAdeMO 0.9 / 1.0 |
| Regulatory Compliance     | IEC 61851-1; IEC 61851-23; IEC 61851-21-2           |
| Certification             | CE Marked (LVD, EMC, RoHS)                          |

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