

DC RAPID CHARGER – S3

80KW — 90KW

 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
- ↳ 3-year warranty with an optional 2-year extension
- ↳ Fully compliant with Smart Charge Points regulations for electric vehicles
- ↳ Approved for OZEV grant eligibility



DC RAPID CHARGER – S3

⌵ 80kW

⌵ 90kW

PRODUCT CODE

TP-EVPD080KW

TP-EVPD090KW

⌵ ELECTRICAL INPUT

Supply System	3P+N+PE, TN/TT	
Supply Voltage	400 V AC (±15%)	
Supply Frequency	50 ±1 Hz	
Rated Input Current	135 A	150 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: 200 A / GBT: 200 A / CHAdeMO: 200 A	
Maximum Power	80kW	90kW
Maximum Power Per Connector	80kW	90kW
Connector 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	7" LCD Touch 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 (optional), Card Payment (optional)	
Metering	2 x DC energy meter, CE-marked	

⌵ ENVIRONMENTAL CONDITIONS

Operating Temperature	–25°C to 55°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, 160 A	MCCB 3P, 200 A
	Emergency stop button / RDC-DD, 6 mA DC leakage detection / Overvoltage and undervoltage protection / Overcurrent protection / Output PE continuous continuity checking / Surge protection device (SPD), Type 2, fused /2 x Insulation monitoring / Temperature monitoring	
Physical Security And Access	Key-lock access door	
Special Environmental Protection	Galvanised steel, powder-coated, salt-spray resistant	

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⌵ MECHANICAL DATA

Dimensions	844 x 725 x 1865 mm
Weight	370 kg
Mounting	Floor mounted
Cable Management	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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