

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
- ↳ 3-year warranty with an optional 2-year extension
- ↳ Supports multiple output options: CCS2, GBT and CHAdeMO



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+N, 250 A	MCCB 3P+N, 400 A	MCCB 3P+N, 400 A
Physical Security And Access	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		
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)

End of Table