

INTEGRATED BATTERY CHARGER

280KW/ 208KWH

 FLOOR MOUNTED

 PRODUCT DATASHEET / MAY 2026



 **Reliable**

Product
Reliability

99%

 **Cloud Enabled**

Monitoring
& Assistance

24/7

 **Built To Last**

Service
Life

10Yr

KEY FEATURES

- ↳ 208kWh integrated battery, rechargeable from 22kW to 44kW in standby mode
- ↳ Dual tethered connectors for simultaneous charging of two 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
- ↳ Supports multiple output options: CCS2, GBT and CHAdeMO
- ↳ 3-year warranty with an optional 2-year extension
- ↳ Approved for OZEV grant eligibility

INTEGRATED BATTERY CHARGER

⌂ 280kW / 208kWH

PRODUCT CODE

TP-EVPD-280KW-208KWH-S

⌄ ELECTRICAL INPUT

Supply System	3P+N+PE, TN/TT
Supply Voltage	400 V AC (±15%)
Supply Frequency	50/60 ±1 Hz
Rated Input Current	100 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: 250 A, CHAdeMO: 200 A
Maximum Power	280 kW (2 x 140 kW simultaneous)
Maximum Power per Connector	280 kW
Maximum Power With Grid + Battery Support	280 kW (80 kW + 200 kW)
Maximum Power in Off-grid Mode	200 kW
Maximum Power Without Battery Support	80 kW
Connector Type	CCS2 / GBT / CHAdeMO
Number of Connectors / Outputs	2
Cable Length	5 m, others optional

⌄ BIDIRECTIONAL OPERATION

Off-grid Function	AC load supply during grid outages
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⌄ ENERGY STORAGE SYSTEM

Energy Chemistry	Lithium-Ion
Energy Storage Capacity	208 kWh
Nominal Battery Voltage	665.4 V
Battery Charge Rate	≤0.6C
Battery Discharge Rate	≤1C
Battery Efficiency	≥94.5%
Battery Pack Protection Rating	IP67
Battery Cooling	Liquid cooling

⌄ 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	5” 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, Card Payment (optional)
Metering	2x DC energy meter, CE-marked

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⌄ 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	Emergency stop button / MCCB 3P+N, 500 A / RDC-DD, 6 mA DC leakage detection / Surge protection device (SPD), Type 2, fused / Overvoltage and undervoltage protection / Overcurrent protection / Overfrequency protection/ Output short-circuit protection / 2x Insulation monitoring / Temperature monitoring
Physical Security And Access	Key-lock access door
Special Environmental Protection	Galvanised steel, powder-coated, salt-spray resistant
⌄ MECHANICAL DATA	
Dimensions	1500 x 1384 x 2272 mm
Weight	2400 kg
Mounting	Floor mounted
Cable Management	Lockable retractable cable support
Cooling System	Forced-air cooling
⌄ COMPLIANCE AND STANDARDS	
Charging Protocol Support	ISO 15118; GB/T 27930; CHAdeMO 0.9 / 1.0
Regulatory Compliance	IEC/EN 61851-1:2017; IEC 61851-21-2:2018; IEC 62196-1:2014; IEC 62196-2:2016; IEC 62955-2018; IEC 61439-7-2018
Certification	CE Marked (LVD, EMC, RoHS)

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