

# BATTERY INTEGRATED MOBILE CHARGER

# 80KW

MOBILE

PRODUCT DATASHEET / MAY 2026



 Reliable

Product Reliability

99%

 Cloud Enabled

Monitoring & Assistance

24/7

 Built To Last

Service Life

10Yr

## KEY FEATURES

- ↳ 80kW fast-charging output with integrated 100kWh lithium-ion battery for fully portable DC charging
- ↳ Wide voltage range (150–1000VDC) supporting CCS2 / CHAdeMO
- ↳ Single-connector high-power design (up to 200A) for rapid charging in remote or grid-limited locations
- ↳ Seamless integration with OCPP 1.6J / 2.0 / 2.0.1 protocol
- ↳ 7" LCD touchscreen with RFID access control
- ↳ Fully compliant with ISO-15118020, enabling future Plug & Charge use cases
- ↳ Dual cooling system – air-cooled charging module + liquid-cooled battery for stable performance
- ↳ Robust IP54 & IK10 construction with full protection suite
- ↳ 3-year warranty with an optional 2-year extension



BATTERY INTEGRATED MOBILE CHARGER

80kW

PRODUCT CODE

TP-EVPD-80KW-CE-1M-100kWh

ELECTRICAL INPUT

Supply System	3P+N+PE, TN/TT
Supply Voltage	400 V AC (±15%)
Supply Frequency	50/60 ±1 Hz
Rated Input Current	63 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	80 kW
Connector Type	CCS2 / GBT / CHAdeMO
Number of Connectors / Outputs	1
Cable Length	5 m, others optional

ENERGY STORAGE SYSTEM

Energy Chemistry	Lithium-Ion (LiFePO4)
Energy Storage Capacity	104 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	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, 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 / 2 x RCBO, 3P+N, curve C, 80 A, 30 mA, type 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 / 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	1000 x 2200 x 1900 mm
Weight	200 kg
Mounting	Mobile
Cable Management	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 61851-1; IEC 61851-23; IEC 61851-21-2; IEC 62619; IEC 62477; IEC 60730; IEC 61000; UN38.3
Certification	CE Marked (LVD, EMC, RoHS)

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