

## Product Description

The Metrobit Parking Pro 60kW Charger is a compact all-in-one DC fast charging solution designed for commercial parking facilities, retail, and public charging applications. Engineered for high reliability and efficiency, the system supports multiple charging connector combinations and delivers up to 60kW output power within a wide 150–1000VDC voltage range.

With IP55 protection, IK10 mechanical rating, C4 anti-corrosion compliance, and ISO15118/DIN70121 protocol compatibility, the Parking Pro ensures safe, stable, and efficient EV charging in outdoor environments.

## Key Features

- Maximum output power up to 60kW
- Output voltage range 150–1000 VDC
- Up to 200A DC output (air cooling)
- Peak efficiency  $\geq 96\%$
- Power factor  $\geq 0.99$
- IP55 protection level, IK10 rating (HMI IK8)
- C4 anti-corrosion standard
- ISO15118 / DIN70121 compliant
- OCPP 1.6J (upgradeable to 2.0.1)
- Ethernet / WiFi / optional 4G
- 10.1" touch screen interface
- Load balancing capability

## Applications

- Commercial parking facilities
- Retail and shopping centers
- Public charging stations
- Fleet and depot charging
- Workplace charging installations
- Hotels





## Product Overview



## Technical Specifications

AC INPUT	
Parameter	Specification
Input Voltage	3-phase 400VAC $\pm$ 10%, 50/60Hz, 3P+N+PE
Earthing System	TN-C / TN-S / TN-C-S / TT
Rated Input Current	3 $\Phi$ 96A
Max Input Power	63kW
Power Factor	$\geq$ 0.99
Peak Efficiency	$\geq$ 96%
Harmonic Distortion (THDi)	$\leq$ 5%
Standby Power Consumption	$\leq$ 100W
DC OUTPUT	
Parameter	Specification
Output Voltage Range	150–1000 VDC
Max Output Current (System)	150A
Max Output Current (Connector)	200A (Optional)
Max Output Power	60kW
Number of Outputs	1 (Any one of CCS2, CCS1, GBT, CHAdeMO, NACS)
	2 (Any two combinations of CCS2, CCS1, GBT, CHAdeMO, NACS)
Connector Type	CCS2 / CCS1 / GBT / CHAdeMO / NACS
Voltage Accuracy	$\leq$ $\pm$ 0.5%
Current Accuracy	$\leq$ $\pm$ 1%
USER INTERFACE	
Parameter	Specification
Display	10.1" Touch Screen
Meter	CE Meter / MID Meter (Optional)
Emergency Button	Yes
User Authentication	RFID / QR Code / Application / POS Machine
Support Language	English (Other languages available upon request)
COMMUNICATION	
Parameter	Specification
Network Connection	Ethernet / WiFi
Optional Network	4G
Communication Protocol	OCPP 1.6J (Upgradeable to 2.0.1)
Charging Protocol Standards	ISO15118-1 / ISO15118-2 / ISO15118-3 / DIN70121

\*Specifications are subject to change without prior notice

# Technical Specifications

ENVIRONMENTAL	
Parameter	Specification
Operating Temperature Range	-30°C to 55°C (Over 55°C derating)
Storage Temperature Range	-40°C to 70°C
Humidity	<95% relative humidity, non-condensing
Altitude	≤2000m
Noise	<65dB @ 3m, 25°C full power
PROTECTION	
Protection Features	Over voltage protection, Under voltage protection, Overload protection, Leakage current protection, Over temperature protection, Grounding protection, Surge protection, Short circuit protection, Fault self-check, Insulation detection, Dumping protection, Smoke alarm
CERTIFICATION & STANDARDS	
Item	Specification
Certificate	CE / CB
Charging Standards	IEC61851-1 / IEC61851-21-2 / IEC61851-23 / IEC61851-24 / IEC62196-1 / IEC62196-3
IP & IK Rating	IP55 & IK10 (HMI IK8)
MECHANICAL	
Parameter	Specification
Dimensions (W × D × H)	680 × 275 × 1250 mm (Excluding cable management and column)
Weight	≤120kg
Cooling	Air Cooling
Charging Cable Length	5m (Standard), 6m / 7m optional
Installation Method	Wall-mount or Column
Cable Management System	Standard configuration

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