

## Product Description

The Metrobit Pro Lite 60–80kW is a compact DC fast charging solution designed for commercial, fleet, and public charging applications.

Available in 60kW and 80kW configurations, with optional AC 43kW hybrid integration, the system supports multiple global charging standards and delivers reliable, high-efficiency performance.

Designed for outdoor deployment, the charger features IP55 protection, IK10 impact resistance, air cooling, and full OCPP compatibility for seamless backend integration.

## Key Features

Power range: 60kW to 80kW  
Optional AC 43kW hybrid configuration  
Output voltage range: 150–1000 VDC  
Max DC output current up to 250A  
Peak efficiency  $\geq 95\%$   
IP55 protection level  
IK10 mechanical impact rating (HMI IK8)  
C4 anti-corrosion standard  
OCPP 1.6J (upgradable to 2.0.1)  
Ethernet, WiFi, optional 4G  
10.1" touch screen interface  
ISO15118 / DIN70121 compliant  
Load balancing capability

## Applications

- Commercial charging stations
- Fleet charging depots
- Public parking facilities
- Retail and shopping centers
- Highway fast charging
- Corporate EV infrastructure





## Product Overview



## Technical Specifications

AC INPUT				
Parameter	60kW Model	60kW + AC43	80kW Model	80kW + AC43
Input Voltage	3-phase 400VAC ±10%, 50/60Hz, 3P+N+PE			
Earthing System	TN-C, TN-S, TN-C-S, TT			
Rated Input Current	3Φ96A	3Φ159A	3Φ128A	3Φ191A
Max Input Power	63kW	106kW	84kW	127kW
Power Factor	≥0.99			
Peak Efficiency	≥95%			
THDi	≤5%			
Standby Power Consumption	≤100W			
DC OUTPUT				
Parameter	60kW	60kW + AC43	80kW	80kW + AC43
Output Voltage Range	150-1000 VDC			
Max Output Power	60kW	60kW DC + 43kW AC	80kW	80kW DC + 43kW AC
Max Output Current (System)	DC 200A	DC 200A	DC 250A	DC 250A
Output Current (Connector)	DC 150A / 200A optional	DC 150A / 200A optional AC 32A / 63A optional	DC 150A / 200A / 250A optional	DC 150A / 200A / 250A optional AC 32A / 63A optional
Number of Outputs	2 (any two combinations)	3 (any three combinations incl. Type2)	2 (any two combinations)	3 (any three combinations incl. Type2)
Connector Types	CCS2, CCS1, GBT, CHAdeMO, NACS, Type2			
Voltage Accuracy	±0.5%			
Current Accuracy	±1%			
USER INTERFACE				
Parameter	Specification			
Display	10.1" Touch Screen			
Meter	CE Meter / MID Meter optional			
Push Buttons	Emergency Button			
User Authentication	RFID, QR Code, Application, POS optional			
Support Language	English (others upon request)			
COMMUNICATION				
Parameter	Specification			
Network Connection	Ethernet, WiFi			
Optional	4G			
Communication Protocol	OCPP 1.6J (upgradable to OCPP 2.0.1)			

\*Specifications are subject to change without prior notice

## Technical Specifications

ENVIRONMENTAL	
Parameter	Specification
Operating Temperature	-30°C to 50°C (derating above 50°C)
Storage Temperature	-40°C to 70°C
Humidity	< 95% RH, non-condensing
Altitude	≤2000m
Noise	≤70dB @3m, 25°C full power
PROTECTION	
Protection Features	Over voltage protection, Under voltage protection, Overload protection, Leakage current protection, Over temperature protection, Surge protection, Short circuit protection, Fault self-check, Insulation detection
CERTIFICATION & STANDARDS	
Item	Specification
Certificates	CE, CB
Charging Standards	IEC61851-1 / IEC61851-21-2 / IEC61851-23 / IEC61851-24 / IEC62196-1 / IEC62196-3
Communication Standards	ISO15118-1 / ISO15118-2 / ISO15118-3 / DIN70121
IP Rating	IP55
IK Rating	IK10 (HMI IK8)
MECHANICAL	
Parameter	Specification
Dimensions (W×D×H)	670 × 480 × 1600 mm (Excluding cable management)
Weight	≤200 kg
Cooling	Air Cooling
Cable Length	5 m (6 m / 7 m optional)
Installation	Floor Mounted

\*Specifications are subject to change without prior notice