



## Product Description

The Metrobit Hercules Panorama 300–480kW Charger is an ultra-high-power DC fast charging system engineered for highway corridors, logistics hubs, and high-utilization commercial charging sites. Designed to support next-generation EV platforms, the system delivers scalable power configurations up to 480kW with advanced cooling options.

With IP55 protection, C4 anti-corrosion compliance, and support for both air-cooled and liquid-cooled configurations, the Hercules Panorama ensures stable high-current delivery in demanding outdoor environments.

## Key Features

- Power range from 300kW to 480kW
- Output voltage range 150–1000 VDC
- Air-cooled or liquid-cooled configurations
- Up to 600A output (liquid cooled)
- Peak efficiency  $\geq 96\%$
- IP55 protection level, IK10 rating
- ISO15118 / DIN70121 compliant
- OCPP 1.6J (upgradeable to 2.0.1)
- Ethernet / WiFi / optional 4G
- 7" touch screen with 43" advertising display
- C4 anti-corrosion standard
- Load balancing capability

## Applications

- Highway ultra-fast charging hubs
- Fleet and logistics depots
- High-power commercial charging plazas
- Public infrastructure corridors
- Industrial heavy-duty charging sites



# METROBIT HERCULES PANORAMA

300-480kW EV DC Fast Charger



## Product Overview



## Technical Specifications

AC INPUT				
Parameter	300kW	360kW	400kW	480kW
Input Voltage	3-phase 400VAC ±10%, 50/60Hz, 3P+N+PE			
Earthing System	TN-C / TN-S / TN-C-S / TT			
Rated Input Current	3Φ480A	3Φ576A	3Φ640A	3Φ768A
Max Input Power	316kW	376kW	421kW	505kW
Power Factor	≥0.99			
Peak Efficiency	≥96%			
THDi	≤5%			
Standby Power Consumption	≤150W			
DC OUTPUT				
Parameter	300kW	360kW	400kW	480kW
Output Voltage Range	150–1000 VDC			
Max Output Current (Air Cooling)	400A (300A / 350A optional)			
Max Output Current (Liquid Cooling)	500A (600A optional)			
Max Output Power	300kW	360kW	400kW	480kW
Number of Outputs	2 (Any two combinations of CCS2, CCS1, GBT, CHAdeMO, NACS)			
Connector Type	CCS2 / CCS1 / GBT / CHAdeMO / NACS			
Voltage Accuracy	≤±0.5%			
Current Accuracy	≤±1%			
USER INTERFACE				
Parameter	Specification			
Display	7" Touch Screen			
Advertising Screen	43"			
Meter	CE Meter			
Emergency Button	Yes			
Authentication	RFID / QR Code / App			
Support Language	English (Other languages available upon request)			
COMMUNICATION				
Parameter	Specification			
Network	Ethernet / WiFi / Optional 4G			
OCPP	1.6J (Upgradeable to 2.0.1)			
Protocol Standards	ISO15118-1 / ISO15118-2 / ISO15118-3 / DIN70121			

\*Specifications are subject to change without prior notice

## Technical Specifications

ENVIRONMENTAL	
Parameter	Specification
Operating Temperature	-30°C to 55°C (Over 55°C derating)
Storage Temperature	-40°C to 70°C
Humidity	< 95% 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, Grounding protection, Surge protection, Short circuit protection, Fault self-check, Insulation detection, Soaking protection, Smoke alarm
CERTIFICATION & STANDARDS	
Item	Specification
Certificates	CE, CB, PTB
Charging Standards	IEC61851-1 / IEC61851-21-2 / IEC61851-23 / IEC61851-24 / IEC62196-1 / IEC62196-3
IP Rating	IP55
IK Rating	IK10 (HMI IK8)
MECHANICAL	
Parameter	Specification
Dimensions (Excl. Cable Mgmt)	850 × 800 × 2050 mm
Dimensions (With Cable Mgmt)	850 × 800 × 2120 mm
Weight	≤800kg
Cooling	Air Cooling / Liquid Cooling
Cable Length	5m
Installation	Floor Mounted

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