

**METROBIT**

Since 2002

# EVERGY PRODUCT CATALOG



## **EV INFRASTRUCTURE FOR A SUSTAINABLE FUTURE**

Fast-Charge EV DC  
Solutions

Liquid-Cooled Battery  
Energy Storage

Smart Charging Stations



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## ABOUT METROBIT

Metrobit Group, headquartered in Canada, operates in MEA under Metrobit FZCO in Dubai's Jebel Ali Free Zone which is a manufacturing and solutions hub dedicated to mission-critical power and energy infrastructure. With over two decades of industry experience, we specialize in developing high-performance DC power systems, EV chargers, battery energy storage systems, and integrated monitoring platforms.

## WHY CLIENTS TRUST METROBIT

Metrobit powers the clean transition in mobility and energy infrastructure through reliable, locally-engineered, and performance-driven technologies.

**01**

20+ years of engineering excellence

**02**

Full in-house design and production

**03**

Trusted by industry leaders such as Ericsson, Etisalat, and STC across the Middle East

**04**

Middle East manufacturing advantage



## WHAT IS EVERGY?

EVERGY is Metrobit's EV charging product line which was tailored to meet the evolving demands of electric mobility in residential, commercial, and fleet environments.

Our portfolio spans compact DC chargers to ultra-fast 480kW highway systems, designed for scalability, efficiency, and long-term reliability.

Built to international standards and fully OCPP compliant, EVERGY solutions integrate seamlessly with smart backends, energy storage systems, and grid infrastructure.

### EVERGY Benefits

- Scalable power range from 20kW to 480kW
- Ultra-fast liquid-cooled charging capability
- Multi-standard support (CCS, CHAdeMO, GBT, NACS, Type2)
- OCPP 1.6 & 2.0 ready
- Smart connectivity (Ethernet / WiFi / 4G)
- Robust IP55 / IK10 protection
- Integrated load balancing & smart energy control



# METROBIT PARKING

## EV DC Fast Charger – 20–40kW



### Key Features:

- 20 / 30 / 40kW output
- 150–1000 VDC range
- Up to 133A DC output
- Peak efficiency  $\geq 95\%$
- IP55 / IK10 protection
- ISO15118 / DIN70121 compliant
- OCPP 1.6J (upgradeable)
- Ethernet / WiFi / optional 4G
- 10.1" touchscreen

### Technical Summary:

- Output Power: 20–40kW
- Voltage Range: 150–1000 VDC
- Max Output Current: Up to 133A
- Connectors: CCS2 / CCS1 / GBT / CHAdEMO / NACS
- Cooling: Air-cooled
- Protection: IP55 / IK10

### Product Description

Compact DC fast charger delivering 20–40kW output for efficient and reliable EV charging infrastructure.

### Recommended For:

Commercial parking, Retail & workplace, Light fleet depots, and Hotels.

# METROBIT PARKING PRO

## EV DC Fast Charger – 60kW



### Key Features:

- 60kW output
- 150–1000 VDC range
- Up to 200A DC output
- Peak efficiency  $\geq 96\%$
- IP55 / IK10 protection
- ISO15118 / DIN70121 compliant
- OCPP 1.6J (upgradeable)
- Ethernet / WiFi / optional 4G
- 10.1" touchscreen

### Technical Summary:

- Output Power: 60kW
- Voltage Range: 150–1000 VDC
- Max Output Current: Up to 200A
- Connectors: CCS2 / CCS1 / GBT / CHAdeMO / NACS
- Cooling: Air-cooled
- Protection: IP55 / IK10

### Product Description

All-in-one 60kW DC fast charger engineered for stable outdoor operation and smart charging integration.

### Recommended For:

Commercial parking, Retail centers, Public charging, and Fleet depots.

# METROBIT PRO LITE

## EV DC Fast Charger – 60–80kW



### Product Description

Compact DC fast charger delivering 60–80kW output with optional AC 43kW hybrid configuration for flexible charging environments.

### Recommended For:

Fleet depots, Corporate charging, Retail & public charging, and Highway support sites.

### Key Features:

- 60–80kW output
- Optional AC 43kW hybrid
- 150–1000 VDC range
- Up to 250A DC output
- Peak efficiency  $\geq 95\%$
- IP55 / IK10 rating
- ISO15118 / DIN70121 compliant
- OCPP 1.6J (upgradeable)
- Ethernet / WiFi / optional 4G

### Technical Summary:

- Output Power: 60–80kW
- Voltage Range: 150–1000 VDC
- Max Output Current: Up to 250A
- Connectors: CCS2 / CCS1 / GBT / CHAdeMO / NACS / Type2 (optional)
- Cooling: Air-cooled
- Protection: IP55 / IK10

# METROBIT PRO

## EV DC Fast Charger – 90–240kW



### Product Description

Modular high-power DC fast charger delivering scalable output from 90kW to 240kW for advanced EV infrastructure.

### Recommended For:

Fleet & logistics hubs, Highway service areas, Retail charging hubs, and Industrial sites.

### Key Features:

- 90–240kW output
- Optional AC 43kW hybrid
- 150–1000 VDC range
- Up to 300A DC output
- Peak efficiency  $\geq 95\%$
- IP55 / IK10 protection
- ISO15118 / DIN70121 compliant
- OCPP 1.6J (upgradeable)
- Ethernet / WiFi / optional 4G

### Technical Summary:

- Output Power: 90–240kW
- Voltage Range: 150–1000 VDC
- Max Output Current: Up to 300A
- Connectors: CCS2 / CCS1 / GBT / CHAdeMO / NACS / Type2 (optional)
- Cooling: Air-cooled
- Protection: IP55 / IK10

# METROBIT DC PANORAMA

## EV DC Fast Charger – 60–240kW



### Product Description

High-performance DC fast charger delivering 60–240kW output with optional advertising display integration.

### Key Features:

- 60–240kW output
- Up to 300A output
- Peak efficiency  $\geq 95\%$
- IP55 / IK10 rating
- ISO15118 / DIN70121 compliant
- OCPP 1.6J (upgradeable)
- Ethernet / WiFi / optional 4G
- Optional 43" advertising display

### Technical Summary:

- Output Power: 60–240kW
- Voltage Range: 150–1000 VDC
- Max Output Current: Up to 300A
- Connectors: CCS2 / CCS1 / GBT / CHAdeMO / NACS
- Cooling: Air-cooled
- Protection: IP55 / IK10

### Recommended For:

Public charging stations, Retail & municipal infrastructure, Fleet depots, and Highway corridors.

# METROBIT HERCULES

## EV DC Fast Charger – 300–480kW



### Product Description

Ultra-high-power DC fast charger delivering 300–480kW output with air or liquid cooling configurations.

### Recommended For:

Highway ultra-fast hubs, Logistics depots, Large charging plazas, and Heavy-duty fleet sites.

### Key Features:

- 300–480kW output
- Air or liquid cooling
- Up to 600A (liquid-cooled)
- Peak efficiency  $\geq 96\%$
- IP55 / IK10 protection
- ISO15118 / DIN70121 compliant
- OCPP 1.6J (upgradeable)
- Ethernet / WiFi / optional 4G

### Technical Summary:

- Output Power: 300–480kW
- Voltage Range: 150–1000 VDC
- Max Output Current: Up to 600A
- Connectors: CCS2 / CCS1 / GBT / CHAdeMO / NACS
- Cooling: Air-cooled / Liquid-cooled
- Protection: IP55 / IK10

# METROBIT HERCULES PANORAMA

## EV DC Fast Charger – 300–480kW



### Product Description

Ultra-high-power DC fast charger delivering 300–480kW output with integrated 43" advertising display option.

### Recommended For:

Highway corridors, Fleet & logistics hubs, Commercial charging plazas, and Industrial heavy-duty sites.

### Key Features:

- 300–480kW output
- Air or liquid cooling
- Up to 600A (liquid-cooled)
- Peak efficiency  $\geq 96\%$
- IP55 / IK10 protection
- ISO15118 / DIN70121 compliant
- OCPP 1.6J (upgradeable)
- 7" control screen + 43" advertising display

### Technical Summary:

- Output Power: 300–480kW
- Voltage Range: 150–1000 VDC
- Max Output Current: Up to 600A
- Connectors: CCS2 / CCS1 / GBT / CHAdeMO / NACS
- Cooling: Air-cooled / Liquid-cooled
- Protection: IP55 / IK10

## METROBIT LIQUID-COOLED BATTERY ENERGY STORAGE SYSTEM (BESS)

### Product Description:

Our Liquid-cooled BESS is a modular, cabinet-style energy storage unit engineered for commercial and industrial use. Designed to pair seamlessly with EV charging stations, solar PV systems, and backup applications, it stores and delivers high-voltage power with maximum efficiency. An integrated EMS which ensures smart control of energy flow from the grid to EV. Its integrated liquid cooling system keeps internal temperatures stable, improving battery life and operational safety even in harsh environments. With a compact footprint, smart thermal management, and long service life, this BESS is ideal for facilities looking to optimize power use, reduce grid dependence, and support sustainable energy goals.



## TECHNICAL SPECIFICATIONS

Items	Parameters	
BESS	Cell Configuration / Allowed C-rate	1P260S / 0.5C
	Rated Voltage	832 V (728 V–936 V)
	Rated Energy	232.9 kWh
	Cooling Type / FSS Type	Liquid / Aerosol
	Dimension (W × D × H) / Weight	1000 mm × 1350 mm × 2400 mm / ~2700 kg
	Lifespan	20 years
	IP Grade	IP55 (Battery Room)
	COM Port / Protocol	Modbus TCP/IP
	Recommended Storage Temperature	15°C ~ 30°C
	Operating Temperature Range / Relative Humidity	-30°C ~ 55°C / 0% ~ 95%
	Certificates	IEC62619, UL9540A, UL9540, UN3536

PCS – General	Metis 125 (M125-UL)	Metis 100 Series (M-100-E-IEC)
System Operation Mode	On/Off-grid mode (manual switch)	On/Off-grid mode (manual switch)
PCS Model No.	Metis 125 (M125-UL)	Metis 100 Series (M-100-E-IEC)
Rated Input / Output Power (kW)	125 kW	100 kW
Max. Operating Current (A)	184 A	158 A
Certificates	IEC62477-1, UK: G99/19/10, Italy: CEI0-21, Low Voltage Directive 2014/35/EU, IEC61000-6-2, IEC61000-6-4	

PCS – AC Grid-connected item	Metis 125 (M125-UL)	Metis 100 Series (M-100-E-IEC)
Rated Output Power	125 kVA	100 kVA
Max. AC Current	160 A	160 A
Rated Grid Voltage	277/480 Vac, 3W+N+PE or 3W+PE	230/400 Vac, 3W+N+PE or 3W+PE
Frequency	60 Hz	50 / 60 Hz
Power Factor Range	-1...+1	-1...+1

PCS – AC Off-grid item	Metis 125 (M125-UL)	Metis 100 Series (M-100-E-IEC)
Output Voltage	277/480 Vac, 3W+N+PE	230/400 Vac, 3W+N+PE
Rated Output Power	125 kVA	100 kVA
Max. AC Current	150 A (linear load) / 100 A (nonlinear load)	150 A (linear load) / 100 A (nonlinear load)
Frequency	60 Hz	50 / 60 Hz
Max. Allowable Crest Factor	2.5	2.5

# EVERGY EV CHARGING STATION SOLUTIONS

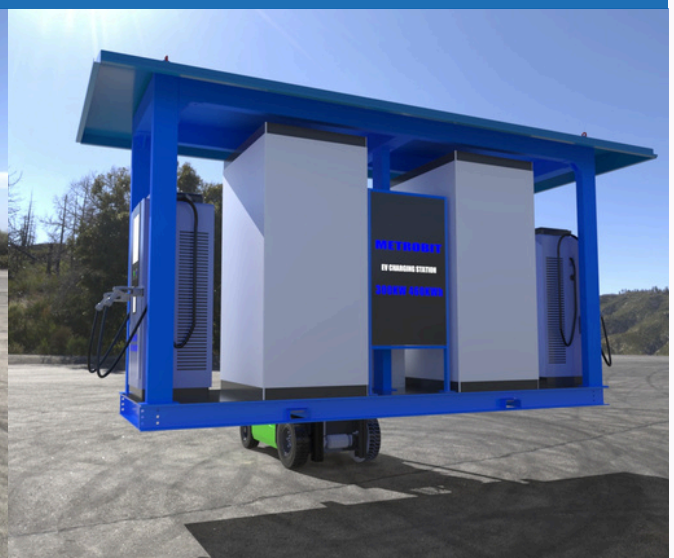


*All-in-One Fast Charging Infrastructure for Modern Mobility*

EVERGY Charging Station is a pre-assembled, integrated solution combining EV fast chargers with Battery Energy Storage Systems (BESS) and Power Conversion Systems (PCS). Designed for seamless deployment, it minimizes site preparation and installation time, delivering grid-independent, high-performance EV charging anywhere it's needed.



This all-in-one EV Charging Station is ideal for high-traffic locations, grid-constrained environments, and businesses looking to reduce energy costs while providing rapid charging for electric vehicles. Engineered for safety, reliability, and ease of deployment, the system includes high-output EV chargers, scalable lithium battery storage, liquid cooling systems, integrated EMS that manages the flow of energy from the grid to the EV and advanced PCS, all within a durable, modular cabinet.



## Key Features:

- High Power Output: Fast charging with scalable configurations (up to 300 kW)
- Integrated Storage: Includes Liquid-Cooled BESS for energy optimization
- Smart Control System: Real-time monitoring and dynamic load balancing
- Integrated EMS: Manages the flow of energy from the grid to the EV
- Minimal Site Work: Pre-assembled cabinet for quick, plug-and-play setup
- Built for Harsh Environments: IP55-rated enclosure with temperature control
- Sustainable & Efficient: Reduces grid dependency and peak loads

## Technical Summary

Parameter	Details
Charger Output	Up to 300 kW
Battery Capacity	Up to 466 kWh
PCS Power	200 kW
Cooling System	Liquid-Cooled
Enclosure Protection	IP55
Temperature Range	-30°C to +55°C
Deployment	All-in-one factory assembled and tested. Ready to deploy to sites

## Ideal For:

- Fleet Charging Hubs : Serve large-scale EV operations with minimal grid strain
- Highway Rest Stops : Enable fast charging where grid expansion is limited
- Commercial Facilities : Offer charging to employees or customers sustainably
- Construction Sites : Reliable, standalone charging without grid reliance
- Emergency Backup : Acts as a reserve power system in critical areas






## We are ready to assist you

Whether you're electrifying a fleet, launching public EV stations, or supporting clean energy goals, we're here to **power your mission.**

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