

OptiGrid's Battery-Integrated DC Fast Charging Solution



OptiGrid enables fleet operators to deploy 200kW charging using existing site power. Our charger pairs onboard energy storage with modular DC fast charging, removing the two biggest barriers to scaling: utility delays and massive infrastructure costs.

QUICK DEPLOYMENT

Become operational in weeks, not years. Use existing site power without time-consuming construction projects.

LOW COST

Simplify installation with no grid upgrades. Lower operating costs by reducing demand charges and avoiding peak energy prices.

FLEXIBLE & SCALABLE

Grow charging infrastructure incrementally with your fleet. Easily relocate thanks to modular design and compact footprint.

REMOTE MANAGEMENT AND CONTROL

OptiGrid's AMP software enables remote monitoring, diagnostics, and over-the-air updates keep chargers running at peak performance with minimal downtime.

GRID RESILIENCY

Keep fleet operations moving by drawing from the onboard battery when the grid is constrained.



Proudly designed and
manufactured in the USA
for BABA compliance

OPTIGRID'S DC FAST CHARGER: TURNKEY AND FULLY-INTEGRATED DC FAST CHARGING



Payment terminals and
screens are both optional

Charging EVs

# of Charge Connectors	2
DC Output Power	200 kW
DC Output Amperage	360A per port (peak)
DC Output Voltage	200-950Vdc
Charge Connectors	CCS1
Cable Length	24' (Standard), 12' (Optional)
Simultaneous Charging	Yes-split power between 2 ports in 1 kW increments

Recharging / Input Power (AC)

Voltage	Max Current	Power
240V single phase	40-125A	5-30 kW
208V 3-phase	28-153A	5-55 kW
480V 3-phase	12-80A	5-66 kW
Configurable Input Power	Operates on the range of input power specified above by installing with appropriately sized circuit breaker	
Frequency	60 Hz	

Energy Storage

Battery Chemistry	Lithium Iron Phosphate (LFP)
Total Capacity	180 kWh
Usable Capacity	162 kWh

Mechanical

Dimensions	41" x 44" x 99" (104 cm x 106 cm x 251 cm)
Weight	4,500 lbs / 2,100 kg (estimated)

Environmental

Geographic Availability	North America (U.S. & Canada)
Installation Locations	Outdoor
Enclosure Protection Rating	Type 3R
Operating Temperature Range	-40°C to +50°C* (-40°F to +122°F)

*Output power derating may apply

Communication & User Interface

User Interface Screen	Optional (10.1" LCD touchscreen)
Payment Terminal	Optional (Payter Apollo)
Communication	OCPP 1.6J
Network Connection	4G, Wired Ethernet
Charge Connector Status Indicator Lights	Standard
Universal Charge Connector Holster with Detection Sensor	Standard
Area Ambient Light	Standard
Emergency Stop	Option to connect to external or site emergency stop

Targeted Compliance Standards

U.S.	UL 2202, UL 2231-1, UL 2231-2, UL 991, UL 1973, UL 9540, UL 9540A, FCC Part 15 Class A, Energy Star, CTEP/NTEP
Canada	CSA 107.2, 346, 281.1, 281.2, 0.8, 94.2, ICES-003 Class A, and S-E-EVSE-01

Energy Management

AC Energy Meter	Standard (revenue grade)
DC Energy Metering	Standard (revenue grade)
Configurable Input Power	Input power may be permanently configured down to 5 kW via hardware mechanism (dipswitch)
Recharging Optimization	Input power for recharging can be scheduled during off-peak times via OptiGrid's Asset Management Platform (AMP)

Charger Management Software

OptiGrid's Asset Management (AMP)	Provides access to charger Platform performance and utilization data, remote monitoring and diagnostics, charger configuration management, and more
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