

Starvo SIRIUS 30 & 40

Compact DC Fast Charger — 30 kW & 40 kW



SIRIUS is Starvo's compact, outdoor-ready DC fast charger designed for urban and destination charging. It combines a rugged enclosure with a 7-inch touch display, RFID/QR payment, and OCPP 1.6J connectivity for easy integration with the Starvo platform or any compatible backend. Pedestal mounting is available as an option for clean, space-efficient installation.

Starvo SIRIUS 30

30 kW single-channel DC fast charger delivering reliable power for urban charging needs with compact footprint and advanced connectivity.

Starvo SIRIUS 40

40 kW single-channel DC fast charger offering enhanced power output in the same rugged, space-efficient design for faster charging times.

OCPP 1.6J Compliant
Interoperable with Starvo or third-party backends for seamless integration

7-Inch Touch Screen
RFID (ISO/IEC 14443 A/B) and scan-code payment options

IP55 / IK10 Rated
Rugged metal enclosure ready for outdoor installation

Multi-Connectivity
Ethernet / 3G / 4G with remote monitoring & OTA updates

Technical Excellence

95.5%

Module Peak Efficiency

Industry-leading power conversion efficiency

94%

Overall Efficiency

Optimized energy delivery for cost-effective operation

≥0.99

Power Factor

Exceptional power quality and grid compatibility

The SIRIUS series features a wide output range of 150–1000 VDC with soft-start capability (3–8 seconds) and high-efficiency power modules. Built-in safety systems include emergency stop, insulation monitoring, comprehensive protections, and alarm systems. The chargers operate reliably in extreme temperatures from -35 °C to +55 °C, making them suitable for diverse climates and demanding environments.

Voltage Stabilization
≤ 0.5% accuracy ensuring consistent, reliable charging performance

Current Accuracy
≤ 1% steady flow precision for optimal battery health

Output Ripple
≤ 1% voltage ripple factor for clean, stable power delivery

Load Regulation
≤ 1% maintaining performance across varying load conditions

Complete Technical Specifications

Specification	SIRIUS 30	SIRIUS 40
Total power	30 kW	40 kW
Max power per channel	30 kW (single)	40 kW (single)
Connector	CCS2	CCS2
Communication protocol	OCPP 1.6J	OCPP 1.6J
Protection grade	IP55 / IK10	IP55 / IK10
Input voltage	380 VAC (-25% ~ +25%), 3-phase	380 VAC (-25% ~ +25%), 3-phase
Frequency	50 / 60 Hz	50 / 60 Hz
Output voltage range	150–1000 VDC	150–1000 VDC
Insulation resistance	≥ 10 MΩ	≥ 10 MΩ
Withstand voltage	≥ 2.5 kV	≥ 2.5 kV
Display	7-inch touch screen	7-inch touch screen
RFID	ISO/IEC 14443 A/B	ISO/IEC 14443 A/B
Operating temperature	-35 °C to +55 °C	-35 °C to +55 °C
Cooling	Air-cooled	Air-cooled
Charging cable length	5 m	5 m
Altitude	≤ 2000 m	≤ 2000 m
Dimensions (WxDxH)	650 × 355 × 670 mm	650 × 355 × 670 mm
Case material	Galvanized steel sheet	Galvanized steel sheet
Harmonic distortion	≤ 5%	≤ 5%
Communication	Ethernet / 3G / 4G / WIFI	Ethernet / 3G / 4G / WIFI

Note: Specifications are based on current engineering data and may be updated without notice. SIRIUS 40 shares the same form factor unless otherwise specified. For installations above 2000 m altitude, please contact Starvo for customized solutions.

Optional Pedestal Installation

Standalone floor pedestal with integrated mounting and cable management for clean, space-efficient installations. Recommended for sites without a suitable wall or cabinet surface. The pedestal solution provides robust aesthetics while ensuring organized cable routing and stable mounting for long-term reliability.

Pedestal Benefits

- Clean, professional appearance
- Integrated cable management
- Space-efficient footprint
- Flexible site placement
- Stable, secure mounting

Typical Applications

Retail & Hospitality
Shopping centers, hotels, and restaurant parking areas providing convenient charging for customers

Workplaces
Corporate campuses and office buildings supporting employee electric vehicle adoption

Commercial Buildings
Multi-tenant properties and mixed-use developments offering charging amenities

Fleet Depots
Commercial fleet operations requiring reliable, fast charging infrastructure

Public Car Parks
Municipal and private parking facilities expanding EV charging access

Urban Developments
Smart city projects and transit hubs integrating sustainable transportation solutions

Compliance & Safety

The SIRIUS series meets stringent European safety and electromagnetic compatibility standards, including CE EMC: EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012. Comprehensive safety features include emergency stop functionality, continuous insulation monitoring, overcurrent protection, overvoltage protection, short-circuit protection, ground fault detection, and temperature monitoring with automatic shutdown capabilities.

Emergency Stop
Immediate power cutoff for safety-critical situations

Insulation Monitoring
Continuous electrical safety verification

Comprehensive Protections
Multi-layer safeguards for equipment and users

Alarm Systems
Real-time fault detection and notification

Contact Starvo

PT Starvo Global Energi

Ready to deploy SIRIUS charging solutions at your location? Our team is here to help with product selection, technical specifications, installation planning, and ongoing support.

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