

HYC 50



Up to **97%**
system efficiency

150 A
continuous charging

Bidirectional
future capability



Ultra-compact design with the versatility of wall mounting option



2 simultaneous 25 kW outputs



Suitable for both indoor and outdoor setups



Low noise level <50 dBA (Silent mode)⁽¹⁾

50 kW (2x 25 kW)
DC-charging system for EVs

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General information

Operating temperature	-30°C up to +55°C (-22°F to 131°F) ⁽²⁾
Storage/transport temperature	-40°C to 70°C (-40°F to 158°F)
Altitude	<4,000 m (< 13,000 ft) ⁽²⁾
Humidity (in operation, storage)	Up to 95% non-condensing
Enclosure type	NEMA 3R (IP54) Indoor/Outdoor
Impact resistance (IEC 62262)	IK10
Noise emission	< 50 dBA ⁽¹⁾
Dimensions (H x W x D)	51 x 21 x 10 in (1300 x 520 x 250 mm)
Weight	209 to 320 lbs (95 to 145 kg) ⁽³⁾
Accessibility	Meets ADA requirements for height and reach
User interface	10.1" touch screen, RGB connector status
Multilingual system	GUI in 27 languages
Remote management	Access control, configuration, diagnostics, software updates

Configuration Options

Branding	Options for custom colors (powder coating), custom faceplate
CMS (Cable Management System)	Keeps 14.5 ft (4.5 m) off the ground
Mounting	Wallmount kit ⁽⁴⁾ or pedestal
Payment system	Credit card reader optional (Payter/Nayax), EMV Chip, Tap to Pay

Compliance and Safety

NRTL	UL 2202, UL 2231-1, UL 2231-2 CSA C22.2 No. 346.22, No. 281.1-12, No. 281.2-12 TUV File No. U8U 108852 0005
Metering	CTEP No. 5966-24
EMC	FCC 47CFR Part 15B (Class A)
Electrical safety	NEC (NFPA 70) Article 625

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Charging Interfaces

Connection options	CCS1, J3400 (NACS), CHAdeMO
Cable lengths	14.5 ft (4.5 m), 25 ft (7.5 m)
RFID system	ISO/IEC 14443A/B, ISO/IEC 15693, NFC
Network communications protocol	Dual SIM, 4G LTE Modems 10/100 Base-T Ethernet
Energy management	Configurable static power limit, Dynamic Power limit via OCPP/Modbus
Network communications protocol	Open Charge Point Protocol (OCPP) 1.6 and 2.0.1 Modbus, API
Vehicle communications protocol	DIN 70121, ISO 15118, Autocharge, Plug and Charge, CHAdeMO 1.2

Electrical

AC nominal voltage (RMS)	480 V \pm 10%
AC nominal input current (RMS)	63 A
Recommended minimum OCPD	80 A
Input connection	3-Phase: L1, L2, L3, GND (no neutral)
Frequency	60 Hz
Power factor	> 0.99 at full load
THDi (Total harmonic distortion)	< 5% at full load
Conversion efficiency	up to 97.5% at full load
SCCR	25 kA
Surge protection	Type 1, In 20 kA, I _{max} 50 kA
Standby power consumption	3 W
Max output power	50 kW
Max output current	150 A
Output voltage	150 - 1000 VDC

⁽¹⁾ Standard environmental conditions 60°F [20°C], 10 ft [3 m] distance

⁽²⁾ See Manual for environmental derate

⁽³⁾ Depending on the configuration

⁽⁴⁾ Coming soon