

Quasar 2 North America

Technical Datasheet

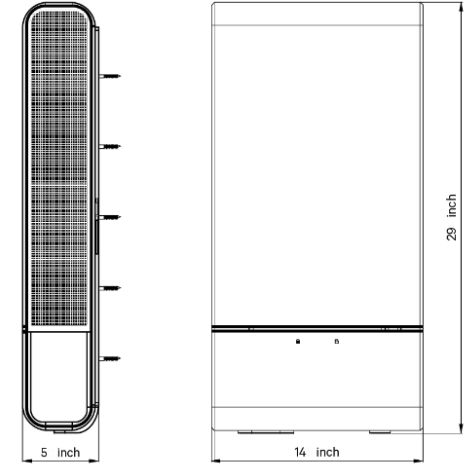
General Specifications

Model	Quasar 2 – North America
Air Ventilation	Natural convection + Forced air cooling
Cable Length	16 or 25 ft
Cable Holder	Included
Metering	Integrated Metering (App Overview)
Connector Type	CCS1
Main Unit Dimensions	29x14x5 in
Charger Weight	<44 lb (Main unit)
Packaging	<11 lb
Operating Temperature	-22°F to 104°F at full power (122°F with power derating)
Storage Temperature	-40°F to 160°F
Operation Humidity	5-95%
Noise	<60dB(A) at 3ft
Mounting	Wallplate
Efficiency (Charge & Discharge)	>97%
Warranty	3 years
Lifetime	10 years expectancy ^[1]
Software Updates	Remote, Via OCPP
Compliant Standards ^[2]	UL 9741, UL 2231-1, UL 2231-2, UL 1741
Grid Codes & others ^[3]	IEEE 1547a-2020, CSIP (CA Rule 21) , UL 1741:2023 SB & SA. Grid Support Utility-Interactive Inverter.
EV Protocols	DIN 70121, ISO 15118-2/20

Electrical Specifications

Charging	
Input [AC]	240 V AC / 52 A (120V/240V Single Split Phase) 12.48 kW at 104°F (40°C), 11.8 kW at 122°F (50°C)
Output [DC]	200-920 (450) VDC / 30 A max. 12 kW at 104°F (40°C), 11.5 kW at 122°F (50°C)
Discharging	
Output [AC]	240 V AC / 52 A (120V/240V Single Split Phase) 12.48 kW at 104°F (40°C), 11.2 kW at 122°F (50°C)
Input [DC]	200-920 (450) VDC / 30 A max. 12.8 kW at 104°F (40°C), 11.5 kW at 122°F (50°C)
AC Cable Width (Single Split-Phase)	4 AWG copper wire 75°C
Earthing (Grounding)	TN-C-S 8AWG copper or 6AWG aluminum-copper
Frequency AC	58.8-61.2 (60) Hz
Enclosure Rating	Type 3R
Oversvoltage/Overheating	Included Protection
Fault Current	Isolation monitor and Ground Monitor interrupters
Oversvoltage category	Category IV
Protective class	Class I
Max altitude (above sea level)	6560 ft

Dimensions



User Interface & Communications

Remote Connectivity	Wi-Fi (2.40 & 5 GHz) / 4G Connection / Ethernet
User Identification	RFID, Wallbox App
User Interface	Wallbox App, Button
Charger Status Information	LEDs, Wallbox App
Smart Features	Dynamic Load Management, Solar Charging, Safety Charge, Peak Support, Backup Power ^[3]
Communication	OCPP 1.6, Metering, Ethernet / WLAN, Bluetooth, Wallbox App. IEEE 2030.5, SunSpec compliant.
Metering	Wired Communication
Authorisation	Wallbox App / RFID

^[1] Considering an average daily usage of 6 hours.

^[2] Certification expected in 2024.

^[3] Compliant grid codes list may vary.

^[4] Backup power will only be available if a Power Recovery Unit is installed.