

MiR Charge 48V specifications

General information

Designated use	Automatic charger for MiR250, MiR500, MiR600, MiR1000, and MiR1350 robots. The robot moves and connects to the charging station
Color	RAL 7035 / Light gray
IP rating	IP 52
Product design life	5 years or 20 000 hours, whichever comes first
Cover material	Aluminum
Disclaimer	Specifications may vary based on local conditions and application setup

Dimensions

Length	237 mm 9.3 in (with charging plate: 487 mm 19.2 in)
Width	622 mm 25.5 in
Height	287 mm 11.3 in
Weight	20 kg 44.1 lbs

Environment

Humidity	10–90% non-condensing
Ambient temperature range, operation	5–40°C 41–104°F
Maximum altitude	2 000 m 6 562 ft

Power

Output	Output at 240 V: 48 V, maximum 40 A Output at 120 V: 48 V, maximum 20 A
Input	100–240 V AC, maximum 14 A, 50–60 Hz
Consumption	Nominal 14 A at both 115 V AC and 230 V AC

Compliance

Designed to meet electrical standards	EN 60335-1, EN 60335-2-29, CSA C22.1-18, SPE 1000, CSA C22.2 No. 107.2 -2001, NFPA 70, UL 1564, NFPA 791
	Canada: CSA C22.1-18, SPE-1000-13, CSA C22.2 No. 107.2 -2001
TüV safety approval	US: NFPA 70: 2017, UL 1564: 2015, NFPA 791: 2021 Korea KC certified
CE	Yes—you can find the certificate on MiR Support Portal under Documentation > Documentation type > Certificates
EMC	EN 61000-6-1, EN 61000-6-4
Designed to meet safety standards for industrial vehicles	EN 60335-1, EN 60335-2-29, CSA C22.1-18, SPE 1000, CSA C22.2 No. 107.2 -2001, NFPA 70, UL 1564, NFPA 791