

Rapid charging

Velocity Charger

VM+ Charger Datasheet

The VM+ charger is a modular dual-vehicle rapid charger with a digital LCD screen that has contactless and app payment enabled. It comes in two variants, the VM75+ and the VM50+.

The VM75+ can charge one vehicle at 75kW, and if two are connected the first car will receive 50kW and the second 25kW, until the car no longer requests >25kW, and then the power ratings will switch if necessary. The VM50+ can charge a single car up to 50kW, or two cars at 25kW each.

Speed category	Rapid charging
Charging speed	50/75kW
Product family	Velocity Modular
Model SKU	VM50+/VM75+ RTM75J1-CP-PP

Please note: The charger has multiple configuration options, please check with your Pod Point account manager to confirm the exact configuration you require.



Dual-vehicle charger



Contactless payment



Customisable branding



Cable management



Front



Rear

Power

Power rating	50kW - DC 75kW - DC
Output current	CHAdeMO: 50-500V DC CCS: 150-920V DC
Charging connectors	CHAdeMO CCS (SAE Combo-1,2)
Operating temperature	-35°C to +40°C (de-rating applies above +40°C for the 75kW)
Efficiency	95%
Power factor	>0.99
Protections	Over current, Over voltage, Under voltage, Short circuit, Surge protection, Protective earth continuity monitor

Physical Properties

Height Width Depth	1998mm 850mm 309mm
Weight	Up to 294Kg (inc cable management)
Materials	Aluminium double skin
Enclosure rating	IP65 NEMA 3R IK10
Lighting	5x External security LEDs
Cable length	6m (19ft 8")
Shipping Height Shipping Width Shipping Length	560mm 870mm 2160mm
Shipping weight	Up to 320kg

Connectivity & Communication

Wireless	3/4G
Wired	Gigabit Ethernet 10/100/1000 mbps
Communication protocol	OCPP v1.6J
Contactless reader	Payter P66 3/4G

Configuration

Configurable options	CCS connectors (1 or 2 available) CHAdeMO connectors (1 or 2 available)
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AC Grid Interface (400VAC/415VAC)

Configured power option	50kW	75kW
Voltage	400VAC three-phase (no neutral) +/-10%	
Frequency	50Hz+/-10%	
Nominal current at nominal voltage level	76A	114A
Maximum current at low line level (nominal voltage -10%) and PF>0.99	84A	114A
Overcurrent protection device required (OCPD) in site distribution board	100A breaker recommended (required for supply cable protection)	125A breaker recommended (required for supply cable protection)

Branding

Parts	Front and rear plates
Material	Vinyl wrap

Harmonics

Total harmonic distortion	<5%
All Harmonics below IEC 61000-3-4	PASS
THD below IEC 61000-3-4 limits	PASS
PWHD below IEC 61000-3-4 limits	PASS

Accessibility, safety & compliance

Requirements met	Meets US ADA, EN 301 549, DIN 18040 Height Requirements
Sensor package tilt, door ingress)	✓ TRIPS CONTACTOR
Safety and compliance	CE EMC directive immunity Class A. Emissions Class B

The VM+ charger includes options for circuitry to locally isolate the charger's power circuit if the safety loop monitor connected to the door switches, tilt sensor, leak sensor or protective earth continuity monitor is triggered.

Additionally, the charger can also include options to allow upstream isolations in the event of a safety loop trigger event by including an under-voltage relay coil or shunt trip module on the feeder circuit breaker in the site distribution board.

The VM+ chargers should only be installed by a licensed contractor and a licensed electrician, in accordance with all local and national codes and standards. This may include additional, lockable disconnect mechanisms within line of sight of the supplied equipment.

Warranty and support

To maintain our thirty-six-month limited warranty, installation shall be in accordance with Pod Point's guidance and all relevant legislation and installed by a certified electrician.

Any hardware failure should be promptly reported to us, ideally through our [help centre](#), or by calling our support team on 0207 247 4114. You must quote the serial number/name of the charger and location of the product with a brief description of the failure.

Our support team will then investigate and attempt to remotely resolve the issue. They may ask you to provide additional information to assist in this.

If the issue cannot be resolved remotely, and the product is within warranty, we will arrange for one of our team to visit. If the issue is a result of any shortcoming in design or manufacture it will be rectified free of charge or at our option, exchanged for a replacement product. If we attend site and the fault is not a result of a design or manufacture issue of our product, we will make reasonable attempts to diagnose the issue and propose a resolution which may have a fee associated with it. A call out fee will be applicable where our product is not at fault.

Limitation of liability

In no event will we accept any liability for any loss, costs or damages consequential of the use and/or misuse of our hardware products, except and only to the extent that this is caused by our negligence.

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