



# Datasheet NewMotion Advanced

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Version no: V0001-DS/NMA/S2-2021



**newmotion**

A Member of the Shell Group



# NewMotion Advanced

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The NewMotion Advanced is our leading connected charge point, allowing for smart services and remote management. These services enable dynamic charging speeds and timing that help balance the grid, as well as administration, automation and optimisation for an easy and insightful charging experience.





# NewMotion Advanced

## General Specifications

Model name	NewMotion Advanced
Charging mode	Mode 3
Required nominal input voltage	1-phase 230V +/-10% 50Hz or 3-phase 400V (3 x 230V +N) +/-10% 50Hz
kWh measurement	MID-certified meter

## Safety and Certifications

Operating temperature range	-30 °C to 50 °C
Operating humidity range	5% to 95%
Communication with EV	✓
Anti-theft The cable is locked during the charging session	✓
Electrical Safety Class	Class I
Protection Class	IK10, IP54
Built-in 6mA DC fault detection*	✓
EU Declaration of Conformity (CE Marking)	✓
Product Standards	IEC 61851-1, IEC 61851-21-2, IEC 62262, IEC 60529, IEC 62955 EV-Ready & designed according to ZE-Ready

## Communication

Direct Communication	Bluetooth 5.0
Internet Communication	Ethernet, Wi-Fi 5, 2G GPRS, 4G LTE Cat-1
Communication Protocol	OCPP 1.6-J
User Access / Authorization	RFID-reader (default) type Mifare 13,56 MHz, ISO/IEC 14443 AutoCharge
Online management platform	MyNewMotion
Charging status indicator	Multi-colour LED

\* Does not replace the RCD in the installation. Always follow local rules and regulation in selecting the right type of RCD.





# NewMotion Advanced

## Physical Specifications

Enclosure Material	PolyCarbonate Flame-Retardant
Default front side enclosure colour	White (RAL 9010)
Rear side enclosure colour	Grey (RAL 7031)
Dimensions charge point enclosure (HxWxD)	503.5 x 200 x 137 mm
Dimensions box (HxWxD)	576 x 308 x 286 mm
Charge point weight	±4.4 kg
Package weight socket-version (full box)	±5.2 kg
Mounting	Wall-mount (wall-bracket included) Pole mount (pole required)



Wall mount



Pole mount





# NewMotion Advanced

## Socket Variants

	Product No.
1-phase 32 A, Up to 7,4 kW, Type 2 socket	31122
1-phase 32 A, Up to 7,4 kW, Type 2 socket, coloured enclosure	31122BN/BS
3-phase 32 A, Up to 22 kW, Type 2 socket	31123
3-phase 32 A, Up to 22 kW, Type 2 socket, coloured enclosure	31123BN/BS

## Tethered Cable Variants

	Product No.
1-phase 32 A, Up to 7,4 kW, 5 m type 2 cable	31157
1-phase 32 A, Up to 7,4 kW, 5 m type 2 cable, coloured enclosure	31157BN/BS
1-phase 32 A, Up to 7,4 kW, 7,5 m type 2 cable	31158
1-phase 32 A, Up to 7,4 kW, 7,5 m type 2 cable, coloured enclosure	31158BN/BS
3-phase 32 A, Up to 22 kW, 5 m type 2 cable	31159
3-phase 32 A, Up to 22 kW, 5 m type 2 cable, coloured enclosure	31159BN/BS
3-phase 32 A, Up to 22 kW, 7,5 m type 2 cable	31160
3-phase 32 A, Up to 22 kW, 7,5 m type 2 cable, coloured enclosure	31160BN/BS

NOTE: The maximum charge capacity of the charge point depends on several factors. This includes; local rules & regulations, the type of EV, the grid connection at your location and the electricity usage of your building.

## Dynamic Power Management (Optional)

	Product No.
1-phase module (up to 80 A, max 100 m, powered by the charge point)	45005
3-phase module (up to 80 A, max 100 m, powered by the charge point)	45006



Type 2 socket





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