



Nidec AC Wall Box Easy charger - *Technical Datasheet*

Technical Specifications	Easy Charger Smart	Easy Charger Premium
Rated Voltage	400V AC ±10%	400V AC ±10%
Rated Frequency	50 Hz	50 Hz
Rated Current	16 A	16A
Max. Charging Capacity	11 kW	11 kW
Connection, Finger safe Push-In terminals	L1/L2/L3/Neutral/Earth 2,5 – 10 mm ²	L1/L2/L3/Neutral/Earth 2,5 – 10 mm ²
Electrical Upstream protection device (as per standards IEC 60364-4-41; IEC 60364-7-722)	Circuit breaker C16 A RCD Type A, 30 mA (not included)	Circuit breaker C16 A RCD Type A, 30 mA (not included)
Internet-/Network Interface	Ethernet/LAN WLAN (ordered as an option)	Ethernet/LAN WLAN (ordered as an option)
Communication with external devices, e.g. Smart Home	Modbus TCP, EEBus, OCPP1.6	Modbus TCP, EEBus, OCPP1.6
Charging mode	Mode 3 – according to DIN EN 61851-1	Mode 3 – according to DIN EN 61851-1
Charging port	Typ 2 – according to IEC 62196-2	Typ 2 – according to IEC 62196-2
Charging cable or charging socket	Can be selected L = cable 5m, S = socket	Can be selected L = cable 5m, S = socket
Communication between car and wallbox	According to ISO 15118 & IEC 61851-1 Annex A	According to ISO 15118 & IEC 61851-1 Annex A
Authorization	Optional for Home Charger RFID 2x Key with Charger (Additionally more available)	RFID 2x with Charger (Additionally more available)
DC-Fault current detection	$I_{\Delta n.d.c.} \geq 6\text{mA}$	$I_{\Delta n.d.c.} \geq 6\text{mA}$
Load switch	Contactor, 4-pole	Contactor, 4-pole
Switch-contact monitoring	yes	yes
Temperature monitoring	Yes, (Derating of the charging current)	Yes, (Derating of the charging current)
Energy meter	No	MID certified energy meter (Optional)
Dynamic load management (DLM)	yes	yes
Status LEDs	Status display via colored LEDs	Status display via colored LEDs
Type of assembly	Wall Mounting	Wall Mounting
Material	High grade Plastic housing, Metal frame for Installation	High grade Plastic housing, Metal frame for Installation
IP Protection class	IP54	IP54
Ambient storage temp°C	-30 ... +60°C	-30 ... +60°C
Ambient Operation temp°C	-25 ... +40°C	-25 ... +40°C
Rel. Humidity	5 ... 95%, non Condensation	5 ... 95%, non Condensation
Protection class	I	I
Overvoltage category	III	III
Degree of Pollution	3	3
Shock Resistance	IK08	IK08
Max. Installation Altitude	≤ 2.000 m above sea level	≤ 2.000 m above sea level
Dimensions (HxWxD)	400 x 290 x 151 mm	400 x 290 x 151 mm
Weight	4,5 / 6 kg (depending on the variant)	4,5 / 6 kg (depending on the variant)