

DESIGNED AND MANUFACTURED IN ITALY 

eaze

EN

Duo

V.3 - Technical datasheet
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Duo

A public charging station in the wallbox size. Single power supply for both outlets, a large screen, and full connectivity make Duo a charger suitable for use in both domestic and public environments.



Features

- + Compatible with Daze App and Portal
- + Charging up to 2 x 22,2 kW
- + Single Power Supply
- + Bluetooth and WiFi Connectivity
- + 2 x Ethernet ports (Daisy Chain ready)
- + Compatibility with 4G USB Modem
- + Load Balancing up to 25 chargers (50 charging point)
- + Scheduled Charging
- + Optional MID certified meter
- + Dual RFID reader with identification
- + Inspection Key
- + Internal ventilation system
- + OCPP 1.6 Json Interoperability
- + Optional payment terminal

Technical datasheet

	Single-phase version	Three-phase version
General specification		
Product type	Electric vehicle AC charging device	
Charging mode	Mode 3	
Connector (Duo T)	2 x integrated spiral cable Type 2	
Connector (Duo S)	2 x Type 2 socket	
Type 2 operational cable length connector (Duo T)	5 m at maximum extension	
Charge points	2	
Schuko socket	No	
Dimensions (Duo T)	557 x 279 x 159 mm	
Dimensions (Duo S)	557 x 279 x 159 mm	
Cover color	Black	
Weight (Duo T)	~ 10 Kg	~ 14 Kg
Weight (Duo S)	~ 7 Kg	~ 8 Kg
Standby consumption	< 10 W depending on configuration (WiFi, LTE, POS)	
Color LCD touchscreen display (Duo Pro T/S)		
1. Dimensions	7"	
2. Resolution	1024 x 600 dpi	
3. Brightness	800 nits	
Electrical specifications		
Connection	N+L+PE	N+L1+L2+L3+PE
Rated current	Adjustable from 13 A to 64 A	
Rated power	Adjustable from 3.0 kW to 14.8 kW	Adjustable from 9.0 kW to 44.4 kW
Voltage	230 V ±10%	400 V ±10%
Frequency	50-60Hz	
Network configuration	TT /TN	
Maximum terminal block cross-section	25 mm²	
Compliance with ISO 15118-20 V2G ready standard	Yes	
Connectivity		
Bluetooth connectivity	BLE 4.2	
Internet connectivity	WiFi, Ethernet, and optional 4G GSM with USB modem and micro SIM	
Software update	Via Internet	
Internet interoperability protocol	OCPP 1.6 Json	
Management system interfaces	Via Modbus TCP over Ethernet or WiFi	
TX power	BLE: <20dBm; WiFi 2.4G: <20dBm	
Operating frequencies	BLE 2402-2480 MHz, WiFi 2.4G: 2412-2472 / 2422-2462 MHz	
Features		
User Interface	Daze App (Android or iOS), Web Portal, LED Matrix screen / LCD display, Sound Indicator	
MID-certified energy metering	Optional	
RFID reader	Yes, one reader for each socket with card identification	
Compatible RFID cards	Mifare_UltraLight / Mifare_One (S50) / Mifare_One (S70) / Mifare_Pro (X) / Mifare_DESFire	
Offline-site configuration	Via App via Bluetooth	
Remote command and configurations	Via App or Web Portal via Internet	
User and admin management	Via App or Web Portal	
Authorization options setup	Via App or Web Portal	
Charging scheduling	Via App or Web Portal	
Load Balancing the energy supply connection	Optional, requires power manager module	
Max. number of charge points in Load Balancing	48 (Master/Slave on Modbus TCP Ethernet or WiFi)	
Self-consumption mode (only solar excess)	Yes	
Safety		
Key lock	Yes	
Temperature monitoring	Integrated with overheating protection	
Fire safety	UL94 V-0	
DC Residual current detection	Integrated, 6 mA DC	
Surge category	OVC III	
RCBO differential magnetic circuit protection	Integrated, one protection for each connection point	
1. Nominal current	40 A	40 A
2. Differential protection type	Type A	Type A
3. Tripping curve	C	C
4. Differential leakage current	30 mA	30 mA
5. IGA interruption power	6 kA	10 kA
6. Reference standard	EN 61009-1, EN 61009-2-1	EN 61009-1, EN 61009-2-1
Upstream relay	Yes	

Single-phase version

Three-phase version

Environmental resistance

IP Protection rating	IP55
IK Protection rating	IK10
Operating environment	Indoor and outdoor
Operating temperature	From -30 °C to +55 °C
Storage temperature	From -30 °C to +60 °C
Maximum installation altitude	2000 m above sea level

Installation

Rated current configuration	Via Dip Switch
Charger and accessory configuration	Via App
Mounting	Wall or on SD*1 ground supports
Cable entry routing	Underfloor or exposed with section from 6mm ² up to 25mm ²

Certifications

Certification	CE
International reference standard	IEC EN 61851-1, IEC EN 61851-21, IEC EN 62196-2

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