

DATASHEET

HOMEBOX LITE

SMALL BOX. BIG POWER



DESIGNED FOR



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HomeBox Lite

SMALL BOX. BIG POWER.

 AC Charging up to 22 kW

 Private Charging

 Uptime – 99.2%

BECAUSE A SOLID HOME CHARGER SHOULDN'T COST AS MUCH AS YOUR CAR.

Sick of overpriced, overcomplicated chargers? HomeBox Lite delivers up to 22 kW of no-nonsense power, making home and office charging simple, reliable, and affordable.

KEY FEATURES



Affordable Charging Option



Lightweight, Minimal Design



Essential Functionality Only



Ideal for Private Use



HomeBox Lite

TECHNICAL SPECIFICATIONS

All technical details of the HomeBox Lite – compact, reliable, and ready for everyday use.



GENERAL

Number of Connectors	1
Status Indication	Visual: LED Status Indicator Audio: Buzzer
Architecture	PCB based technology
Max Current per Connector	32 A
Connector Type	Type 2 Socket Type 2 Shutter Socket 4.5 m Straight Cable + Type 2 Connector 5.5 m Straight Cable + Type 2 Connector 6.5 m Straight Cable + Type 2 Connector
Charging Mode	Mode 3
Max Charging Power (kW)	22 kW
Supported Power Systems	TNC-S, TNS, TT
AC Input Power	3 Phase, 400 V/AC, 32 A 3 Phase, 400 V/AC, 16 A 1 Phase, 230 V/AC, 32 A 1 Phase, 230 V/AC, 16 A"
AC Output Power	3 Phase, 400 V/AC, 32 A (22 kW) 3 Phase, 400 V/AC, 16 A (11 kW) 1 Phase, 230 V/AC, 32 A (7,4 kW) 1 Phase, 230 V/AC, 16 A (3,7 kW)"

USER INTERFACE

User Authentication	RFID, Mobile App, Back-End
User Interface / Installer Interface	Elios Cloud
RFID Type/Standard	ISO 14443A, MIFARE
Status Indication	LED

CONFIGURATION

Software Update	OTA (Over the air)
Control & Configuration	Controlled via Elios Cloud or 3 RD Party Back-End
Operating Altitude (Max)	2000 m
Operating Temperature Range	- 25 °C to + 50 °C
Storage Temperature Range	- 25 °C to + 50 °C
Standby Power Consumption	5 W



MECHANICAL DESIGN

Dimensions (H×W×D)	440 mm x 160 x 130
Weight	2,3 kg
Installation Location	Inside/Outside
Mounting Type	Wall/Pole Mounted
Relative Humidity	0-99%
UV Resistance	Yes
Vandalism Resistance	Yes

ELECTRICAL DESIGN

Connection Terminals Size	Up to 10 mm ²
Surge Protection Device (SPD)	Included in the Package (optional)
Load Management	Dynamic Load Management Static Power Balancing Group Balancing over the Cloud Load Balancing Support via OCPP
Energy Meters	Integrated Energy Measurement System
Charging Cable Locking	Yes
Overvoltage Category	Category III
Overcurrent Protection	Optional
RCCB Protection	Optional
Short-Circuit Protection	Optional
DC Leakage Protection	RCM (residual current monitoring device)

ENVIRONMENTAL

IP Class	IP54 for socket version IP55 for integrated cable version
IK Class	IK10
UV Resistance	Yes
Corrosion Resistant	Yes

CONNECTIVITY

Internet Connection Options	WiFi, Ethernet, 4G, Bluetooth
Monitoring/Diagnostics	Elios Cloud, Home app
Remote Maintenance	Yes
Local Configuration	Yes
OCPP	1.6 JSON
OCPP Connection	Remotely via Elios Cloud or via Local Config

STANDARDS/ CERTIFICATES

Compliance	EN IEC 61851-1:2019 EN IEC 61851-21-2:2021
Certification Programs	UDT, etc.
EMI/EMC Compliance	Yes

WARRANTY

Term	4 Years
Extension	-

HomeBox Lite

ADD-ONS

Need a little extra? Customize your HomeBox Lite with add-ons that enhance convenience, boost efficiency, and make charging even easier. Because even the simplest setups deserve smart upgrades.



ADD-ONS | LITE



CATEGORY	ADD-ON	TYPE	CODE
CONNECTOR OPTIONS	Socket Type 2	E7 / E1 / E2 / G7	T2
	Socket Type 2 + Shutter	E7 / E1 / E2	S2
	Plus 4.5 m Straight Type 2	E7 / E1 / E2 / G7	L4
	Plus 5.5 m Straight Type 2	E7 / E1 / E2 / G7	L5
	Plus 6.5 m Straight Type 2	E7 / E1 / E2 / G7	L6
	Special Socket or Cable Length	E7 / E1 / E2 / G7	SS
USER INTERFACE	LED Indicator	E7 / E1 / E2 / G7	1
PAYMENT TERMINAL	None	E7 / E1 / E2 / G7	X
ELECTRICAL SAFETY	RCM	E7 / E1 / E2 / G7	1
	No RCM Option*		2
	Special	E7 / E1 / E2 / G7	S
MECHANICAL	None	E7 / E1 / E2 / G7	X
	MID Window	E7 / E1 / E2 / G7	1
	Special	E7 / E1 / E2 / G7	S
COMMUNICATION	LAN/ WiFi	E7 / E1 / E2 / G7	1
	4G only	E7 / E1 / E2 / G7	2
	4G + LAN	E7 / E1 / G7	3
	Offline (Dummy, No Mainboard)	E7 / E1 / E2	4
	Offline RFID / DLM / Bluetooth	E7 / E1 / E2	5
	Special	E7 / E1 / E2 / G7	S
SOFTWARE	None	E7 / E1 / E2 / G7	XX
	ISO15118		1
HARDWARE	None	E7 / E1 / E2 / G7	XX
	White Housing, EC Design	E7 / E1 / E2 / G7	WS
	Black Housing, EC Design	E7 / E1 / E2 / G7	BS
	Co-Branding	E7 / E1 / E2 / G7	[CC]
	White + Co-Branding	E7 / E1 / E2 / G7	[WC]
	Black + Co-Branding	E7 / E1 / E2 / G7	[BC]
	HW Configuration		[hh]

* Available only when Type B from accessories list selected.

** Available only after EC Product department confirmation

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ACCESSORIES

Upgrade your HomeBox Lite with accessories that enhance convenience, improve functionality, and make charging even smoother. Because the right extras turn a good setup into a great one.



COMPATIBLE	CODE	NAME
HL	MPACX	Without Packing
HL	MPAC1	HBL Socket Packing
HL	MPAC2	HBL Plus Packing
HL	ACE01	MCB 40 A
HL	ACE02	RCCB Type A 40 A
HL	ACE03	RCCB Type B 40 A
HL	ACE04	MCB 20 A
HL	ACSM1	SIM Card (Manufacturer)
HL	ACSM2	SIM Card (Customer)
HL	ACRF1	RFID Tag
HL	ACDLH	DLM H
HL	ACD01	DLM B CT 300 A
HL	ACD02	DLM B CT 400 A
HL	ACD03	DLM B CT 500 A
HL	ACD04	DLM B CT 600 A
HL	ACD05	DLM B CT 800 A
HL	ACD06	DLM B CT 1000 A
HL	ACD07	DLM B CT 1200 A
HL	ACD08	DLM B CT 1250 A
HL	ACD09	DLM B CT 1600 A
HL	ACD10	DLM B CT 2000 A
HL	ACPO1	Pole for Mounting 1 Charger
HL	ACPO2	Pole for Mounting 2 Chargers
HL	ACSP1	SPD T1+T2+T3
HL	ACPE1	PEN Protection Device (1P 32 A)

CHARGING,
AS IT SHOULD BE



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