

Charging system for electric vehicles

SENEC.Wallbox premium

Technical data sheet



Valid for	SENEC.Wallbox premium
Valid in	Germany
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SENEC.Wallbox premium	With charging cable	With charging socket
General data		
Compatible storage systems	SENEC.Home 4, SENECHome E4, SENECHome P4	
Max. charging power	11 kW (three-phase)	22 kW (three-phase)
Max. charging current	16 A	32 A
Connection technology	Flat or coiled charging cable with type 2 connector, approx. 7.5 m, as per IEC 62196-2	Type 2 charging socket, as per IEC 62196-2
Authentication	SENEC.App, RFID	
Compliance with German calibration law	Yes	
Special features	Automatic switching between single and three-phase charging, ambient lighting	
Installation		
Mains connection	Rigid: 10 mm ² ; flexible: 6 mm ² (with and without wire end ferrule)	
Nominal voltage	230 / 400 V	
Mains frequency	50 Hz	
Grid type	TT / TN	
Safeguards		
Protection class	II	
Over voltage category	III	
Residual current device (RCD)	Integrated RCCB 40 A / 0.03 A type A with automatic selftest	
Circuit breaker ^[01]	C20A	C40A
DC residual current detection	Electronic, $I_{\Delta n DC} \geq 6 \text{ mA}$	
Temperature monitoring	Automatic reduction of charging power in event of overtemperature	
Communication		
Energy management interface	Ethernet (LSA terminals and RJ45 sockets), LTE	
Grid operator interface	Potential-free contacts (max. connection cross-section 1.5 mm ²)	
Max. length communication cable	30 m	
Communication protocols	Modbus TCP/IP, OCPP 1.6, OCPP 2.0 ready ^[02] , EEBus ready ^[02] , ISO 15118-20 ready ^[02]	
Ambient conditions		
Ambient temperature for storage	-25 °C to +50 °C	
Ambient temperature for operation	-25 °C to +40 °C	
Relative humidity	< 95% (non-condensing)	
Height above sea level	< 2,000 m	
Housing		
Material	Polycarbonate	
Dimensions (H × W × D) ^[03]	663 mm × 253 mm × 148 mm	
Weight	Approx. 10.5 kg	Approx. 8 kg
Ingress protection	IP54	
Fixing	Wall-mounted or installed on a post	

[01] Circuit breaker must be installed in the sub-distribution unit upstream of the charging system

[02] Hardware interface is installed in advance

[03] Without charging cable

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