

# ELEVAT DC 60

Robust and efficient infrastructure with minimal electrical loss, simple reservation feature through the app, no roaming needed since the simple phone system, online information about the power consumption, 24/7 control and administration are just some of the benefits of ELEVAT chargers.

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- *Fast charge of any compatible vehicle*
- *Multistandard (CHAdeMO, CCS Combo, Schuko, Mennekes)*
- *DC and AC at once / simultaneous charging (60 kW power to each)*
- *Anti-vandal touchscreen suitable for advertising*
- *Activation with a phone call, mobile or web app*
- *Communication protocols GSM or HTTP*
- *Maximal charging speed AC/DC*
- *Easy installation (special keys for internal access)*

## TECHNICAL SPECIFICATIONS

### INPUT

Grid connection	AC 3-phase
Input voltage range	400 V <sub>AC</sub> +/- 10%
Nominal input current	3 x 125 A <sub>AC</sub>
Input frequency	45 - 65 Hz

2 x AC socket			
IEC 62196 Mode 3, Type 2		IEC 61851-1 Mode 1, Schuko	
Nominal AC output power	22 kW	Nominal AC output power	3,6 kW
Nominal AC output voltage	400 V <sub>AC</sub>	Nominal AC output voltage	230 V +/- 10 V
Nominal AC output current	3 x 32 A <sub>AC</sub>	Nominal AC output current	16 A
Safety	<ul style="list-style-type: none"> <li>- Residual current operated device -30mA</li> <li>- Overcurrent circuit breaker</li> <li>- Earth monitoring</li> </ul>	Safety	<ul style="list-style-type: none"> <li>- Residual current operated device -30mA</li> <li>- Overcurrent circuit breaker</li> <li>- Earth monitoring</li> </ul>

2 x DC (Plug)			
IEC 62196-3, Combined Charging System CCS COMBO-2, 4m cable		JEVS G105, CHAdeMO 4m cable	
Maximum DC output power	60 kW	Maximum DC output power	60 kW
DC Output voltage range	500 V <sub>DC</sub> (under load: 150 -500 V <sub>DC</sub> )	DC Output voltage range	500 V <sub>DC</sub> (under load: 150 - 500 V <sub>DC</sub> )
Maximum DC output current	150 A <sub>DC</sub>	Maximum DC output current	150 A <sub>DC</sub>
Power factor (≥ 50% load)	≥ 0.99	Power factor (≥ 50% load)	≥ 0.99
Efficiency	+ 95% at full load	Efficiency	+95% at full load
Safety	<ul style="list-style-type: none"> <li>- Short circuit protected</li> <li>- Overcurrent circuit breaker</li> <li>- Overvoltage protection</li> <li>- Low-voltage protection</li> <li>- Earth monitoring</li> </ul>	Safety	<ul style="list-style-type: none"> <li>- Short circuit protected</li> <li>- Overcurrent circuit breaker</li> <li>- Overvoltage protection</li> <li>- Low-voltage protection</li> <li>- Earth monitoring</li> </ul>

General	Operating temperature	- 25 °C to + 45 °C
	Storage temperature	- 40 °C to + 80 °C
	Relative humidity	5% do 95% (without condensation)
	Protection	IP54 (indoor / outdoor use)
	Collision protection	Steel frame painted
	Dimensions (DxHxW)	400 x 770 x 2150
	Mass	195 kg
Standards	Electrical safety	IEC 61851-1, IEC 62479
	Immunity / resistance	EN 61000-4/ -2, -3, -4, -6
	CHAdeMO	Rev. 0.9.1 (certified)
	CCS Combo	DIN 70121 (interoperability test BMW, VW, GM)
Options	Access/payment system	Smart phone, Token coin system
	Authentication	Mobile app, Phone call,
	Radio distortion / emission	CISPR 22 class B (EN 55022)
	Remote management	OCPP 1.6
	Collision protection	IK 10
	Fixation	Rostfrei construction for foundation opi2020 Surface mounting kit
	Connectivity	GSM, GPRS, LTE