

General characteristics

e-Charger: Denka
Color: white and gray
Material: aluminum with epoxy coating and synthetic material

Mechanical characteristics

Weight: 50 kg with charging cable
Protection Rating: IP54
Impact Protection: IK10
Maximum Altitude: less than 4,000 m
Operating Temperature: -30°C to 55°C (derating may occur at high temperatures)
Humidity: 5-95% HR without condensation
Noise Level: less than 65 dB 1 meter away
Isolation Monitoring Device
Cooling System: forced ventilation
Customization Option: brand logo

Electrical characteristics

AC input: 3 phases + N + PE
Supply voltage: 380/400 Vac $\pm 15\%$
Frequency: 50/60 Hz
Maximum Input Current: less than 70 A
Power: 40 kW
Power Factor: ≥ 0.98 (load: 20kW-40kW)
Efficiency: $\geq 95\%$
THDi: $\leq 5\%$ (load: 20kW-40kW)
Standby Consumption: less than 20 watts
Grounding System: TT/TN-S
Input Switch: yes
Electrical Protections: mandatory external protections

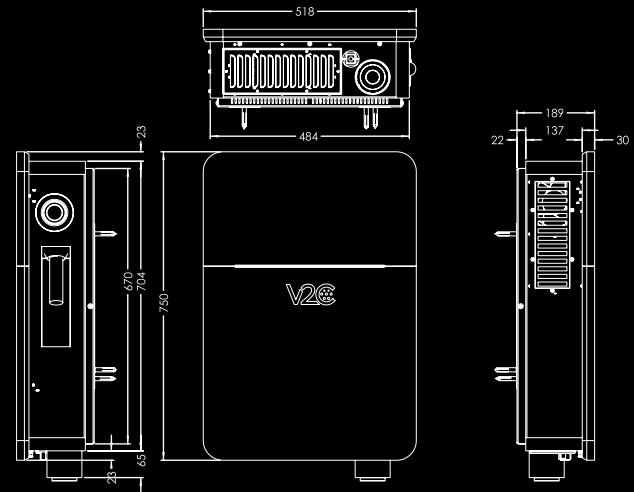
DC Output

Maximum Power: 40 kW greater than 300 V
Output Voltage: 150-1,000 V
Voltage Ripple: ≥ 5 V
Cable: 4,5m CCS Combo Type 2
Charging Protocols: ISO15118, DIN SPEC 70121

Standards

Standard: IEC 61851-1 / IEC 61851-23 / IEC 62477-1 / EN 61851-1 / EN 61851-23 / EN 62477-1
EMC: IEC 61851-21-2 / EN 61851-1-21-2 / Class B
Marking: CE

Dimensions



Functional characteristics

Communication Protocol: V2C Cloud / OCPP 1.6 JSON / API Cloud / Modbus TCP / Modbus RTU
Connectivity: WiFi / Ethernet / 4G (embedded router)
Identification: RFID / Autocharge / V2C Payments
Load Balancing: included
Payment Terminal: optional
Charging status: NeoPixel RGB LED lighting
Software with remote updates (OTA)

Product Number Composition

Model		DENKA
Current	20 kW	20
	40 kW	40

DENKA20

