

DC PLUON SLIM

Version 2.0 - Mai 2023

Productdescription	Itemnumber
DC PLUON SINGLE 40kW - SLIM	DCP-40S-S
DC PLUON SINGLE 80kW - SLIM	DCP-80S-S
DC PLUON DOUBLE 80kW - SLIM	DCP-80D-S
DC PLUON SINGLE 120kW - SLIM	DCP-120S-S
DC PLUON SINGLE 160kW - SLIM	DCP-160S-S
DC PLUON DOUBLE 160kW - SLIM	DCP-160D-S
DC PLUON SINGLE 200kW - SLIM	DCP-200S-S
DC PLUON SINGLE 240kW - SLIM	DCP-240S-S
DC PLUON DOUBLE 240kW - SLIM	DCP-240D-S
DC PLUON SINGLE 280kW - SLIM	DCP-280S-S
DC PLUON SINGLE 320kW - SLIM	DCP-320S-S
DC PLUON DOUBLE 320kW - SLIM	DCP-320D-S

General productspecifications

Supportive power grids	TT,TN
Nominal frequency	50Hz
Input Voltage (AC)	(3x400) 3-phase connection +/- 5% charging station clamps
Maximum conductor cross-section	95mm²
Residual current protection	Secondary permanent insulation monitoring
Authentication / Payment method	RFID card Third-party apps
Status indication	Display 21,5inch (color screen)
Efficiency	>95% at full charge
Protection class	Class I
Harmonic distortion	< 5 % (50% ... 100% output load)
Noise level	<60dB (1m)
Installatie location*	Indoor, outdoor
Number of outputs	1 / 2
Output types	CCS type 2 Combo, IEC 62196-3
Charging cable reach	5,5m
Output voltage (DC)	150…1000VDC
Energy measurement	DC energy metering (MID certified)

* External heat sources can have an impact on efficiency.

Power

	40kW	80kW	120kW	160kW
Nominal input current (IN AC)	63A	125A	180A	250A
Max output power*	40kW	80kW	80kW	160kW

	200kW	240kW	280kW	320kW
Nominal input current (IN AC)	300A	350A	400A	500A
Max output power*	200kW	240kW	280kW	320kW

* For additional info, see graph.

Communication and protocols

Vehicle communication	Mode 4 conform IEC 61851-23,
Card reader (LF, HF, NFC)	NFC en RFID
Internet / Network capabilities	3G,4G, LAN
Communication protocol	OCPP 1.6(JSON)
Modbus	TCP IP

Additional Info

Sim card	Standard sim card
Diagnostic files	Pluon academy
Firmware update files	Pluon academy
Connected services	Remote monitoring and supervision

Casing

	40kW	80kW	120kW	160kW
Material	Steel protection class C5M (ISO 12944), glass			
Locking	2 locks with key			
Dimensions (HxWxD)	2166X816X1000			
Weight	250kg	290kg	325kg	360kg

	200kW	240kW	280kW	300kW
Material	Steel protection class C5M (ISO 12944), glass			
Locking	2 locks with key			
Dimensions (HxWxD)	2166X816X1000			
Weight	395kg	430kg	465kg	500kg

User Conditions

IK protection (mech. impact)	IK10
Water resistance	IP54
Operating temperature	-10…45°C (Power limitation starting 40°C)
Storage / transport temperature	-10…45°C
Relative humidity (operating)	5-90%
Relative humidity (storage / transport)	<80%
Max operating altitude	<2000m (according to IEC 61851)

Installation Guidelines

Power cable

Always perform a cable calculation in accordance with applicable standards, considering specific conditions.

Protect each power cable according to applicable standards.

Grounding

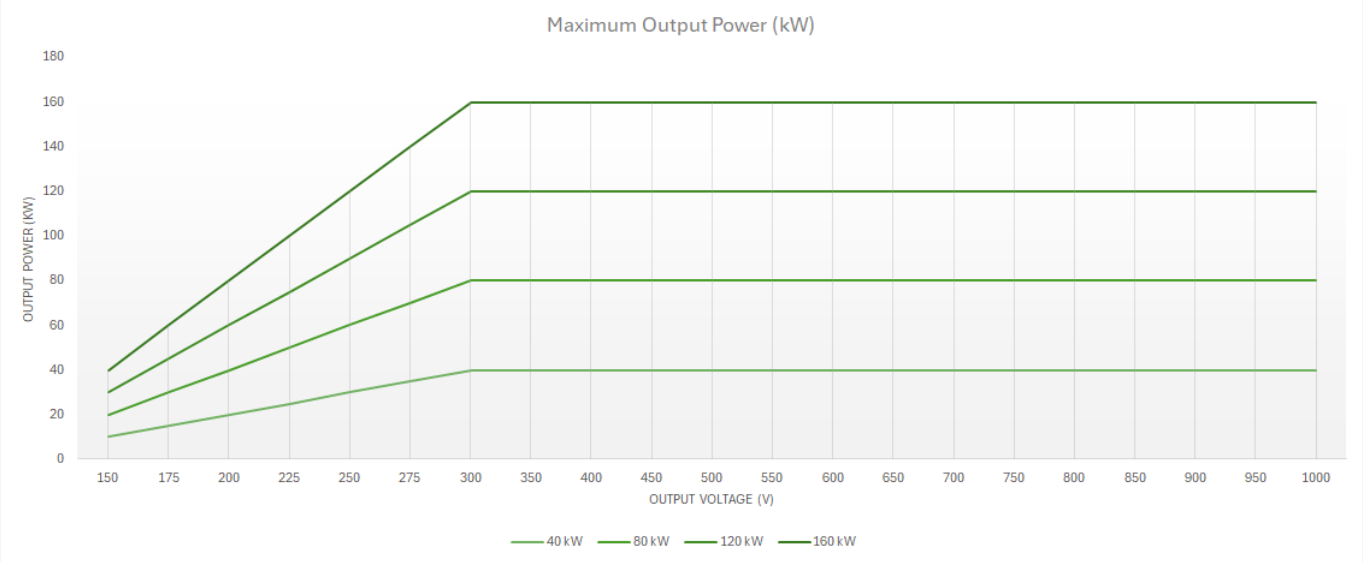
TN-grid	PE-cable
TT-grid	PE-cable

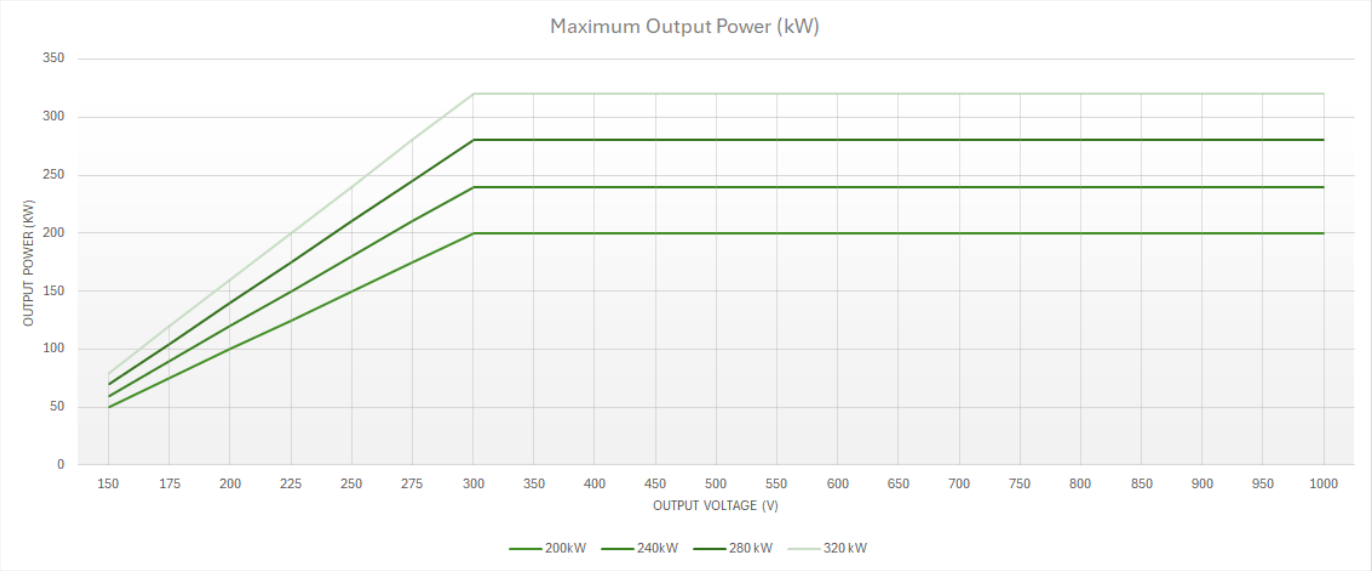
OCPP Specifications

OCPP	OCPP1.6

PLUON OCPP Default Settings

Standard interval meter readings	Start and end of charging session
Minimum heartbeat interval	890s
Network interface	Cellular netwerk
Connection time out	120s

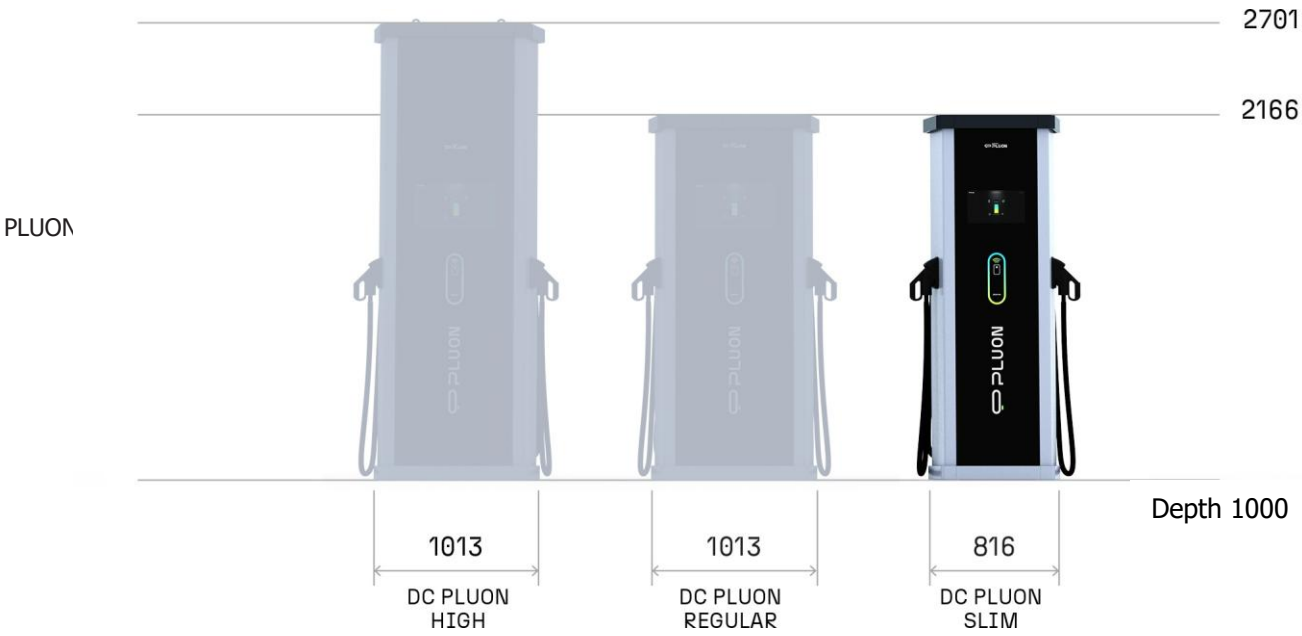



Maximum Output Power (kW)
OUTPUT POWER (KW)
350
300
250
200
150
100
50
0
150 175 200 225 250 275 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000
OUTPUT VOLTAGE (V)
200kW
240kW
280 kW
320 kW

Accessories

Concrete base	DCP-CBS
Dimensions (HxWxD)	150x816x998mm
Weight	280kg
Thread diameter	M12

Branding	
Personalisation	DCP-GPD





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