

pulse50

If speed is of the essence, our bp pulse50 rapid chargers offer a convenient and innovative way to charge quickly. We have the largest public network of rapid chargers in the UK and all of our units are designed and manufactured in the UK.

- Fully integrated tethered cables with 50kW CHAdeMO, 50kW CCS and 43kW AC connections
- Intuitive and user-friendly touchscreen interface
- Runs from a three-phase 400V/80A supply per phase
- Three-year electronics warranty and 10 -year chassis and housing warranty as standard
- Accessible via a bp pulse access card or app. All our newly-installed rapid chargers also accept contactless bank card



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AC Input

Input voltage	400V AC 3P+N+E
Nominal input current	74A (on each phase)
Current THD	IEC 61000-3-12
Rated input power	55kW
Input frequency	50Hz
Power factor	>0.98
Efficiency	>95%

AC Output

Output voltage	400V AC 3P+N+E
Rated output current	63A
Rated output power	43kW

DC Output

Output voltage	200 – 500V DC
Rated output current (max)	125A
Rated output power	50kW

Electrical Safety

Residual current, earth fault	RCD Type B
Over current	MCB
Over voltage	Over Voltage Detection
Short circuit	Short Circuit Detection and MCB
Emergency stop	Emergency Stop Button

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Environmental	
Operating temperature	-30 to +50oC
Max humidity	95% RH non condensing
Operating noise	<45 dBA
Thermal management	Thermostatically controlled fans
Connector Type	
Combined charging system (CCS)	CCS Combo 2
CHAdeMO	CHAdeMO JEVS G105
AC	Type 2 tethered cable IEC 62196
Enclosure	
Materials	Stainless steel and composite plastics
Ingress protection	IP54
Impact resistance	IK10
General	
RFID system	ISO 14443A 13.56MHz
User interface	10" widescreen sunlight optimised full colour LCD with PCap touchscreen under toughened vandal resistant glass
LED indication	Blue – Available. Green – In Use
Contactless credit card payments	Standard
Number plate recognition system	N/A
Dimensions	1500h x 800w x 640d mm (max)
Weight	265kg

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Network Connection	
Wireless	GPRS/GSM M2M
Ethernet	10/100BaseTX
Communication protocol	OCPP 1.5. OCCP 1.6 to 2.0.1 on release
Compliance	
CCS	IEC 61851-1, IEC 61851-23 annex C, ISO 15118, DIN 70121
CHAdeMO	CHAdeMO V1.0, IEC 61851-1 , IEC 61851-23 annex A
AC 43kW	IEC 61851-1, IEC 61851-2 2, IEC 61851-11 annex A IEC 62196
AC	Type 2 tethered cable IEC 62196