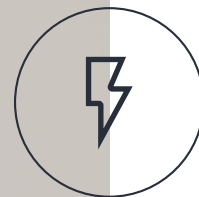
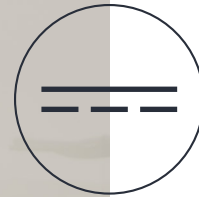


# NBp

**The most reliable and automatic charging solution for electric buses.**



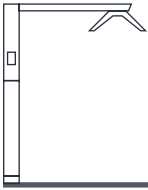
Power range from  
270 kW to 600 kW



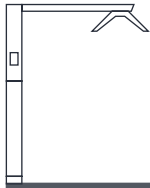
Full power from 300  
to 1000 Vdc

**Charging solution for depot and opportunity charging.**

**NBp allows to charge electric buses overnight and during the day from 270 kW up to 600 kW for opportunity charging.**

**NBp****US**

<b>DC OUTPUT</b>	Pantograph power [kW]	270 / 300 / 330 / 360 / 390 / 420 / 450 / 480 / 510 / 540 / 570 / 600
	Voltage range [V]	150 – 1000 (full power from 300)
<b>AC OUTPUT FOR DC OUTPUT</b>	Power [kVA]	284 / 316 / 347 / 379 / 411 / 442 / 474 / 505 / 537 / 568 / 600 / 632
	Voltage [V]	480 (3p + N + PE) ± 10%
	Power factor	> 0.99
	Frequency [Hz]	50 / 60
	Efficiency	95%
<b>GENERAL</b>	Interface	Emergency pushbutton (optional) Stop pushbutton (optional) Isolation monitor
	Protections	Surge arrester Type 2 (optional) RCD Type A (optional) + MCB
	Column / arm colour	White (RAL 9016) / Grey (RAL 7016)
	Customization	Enclosure
	Degree of protection	NEMA 3R
	Operating temperature	From -30°C to 50°C
	Relative humidity	From 4% to 95%
	Maximum altitude (above sea level)	≤ 2000 m without derating (max. 3000 m)
	Communications	Ethernet + OCPP 1.6 + Wifi + 3G / 4G connectivity
	Dimensions (WxDxH) [ft]	3.12 x 2.2 x 16.4 (13.5 long for the pantograph arm)
	Regulation	UL 2202, NEC 625, FCC Part 15 Class A, ISO 15118

**NBp****IEC**

<b>DC OUTPUT</b>	Pantograph power [kW]	270 / 300 / 330 / 360 / 390 / 420 / 450 / 480 / 510 / 540 / 570 / 600
	Voltage range [V]	150 – 1000 (full power from 300)
<b>AC INPUT FOR DC OUTPUT</b>	Power [kVA]	284 / 316 / 347 / 379 / 411 / 442 / 474 / 505 / 537 / 568 / 600 / 632
	Voltage [V]	400 (3p + N + PE) ± 10%
	Power factor	>0.99
	Frequency [Hz]	50 / 60
	Efficiency	95%
<b>GENERAL</b>	Interface	Emergency pushbutton (optional)
		Stop pushbutton (optional)
		Isolation monitor
	Protections	Surge arrester Type 2 (optional)
		RCD Type A (optional) + MCB
	Column / arm colour	White (RAL 9016) / Grey (RAL 7016)
	Customization	Enclosure
	Degree of protection	IP54   IK10
	Operating temperature	From -30°C to 50°C
	Relative humidity	From 4% to 95%
	Maximum altitude (above sea level)	≤ 2000 m without derating (max. 3000 m)
	Communications	Ethernet + OCPP 1.6 + Wifi + 3G / 4G connectivity
	Dimensions (WxDxH) [mm]	950 x 670 x 5000 (4100 long for the pantograph arm)
	Regulation	IEC 61851-1, IEC 61851-23, IEC 61851-24, IEC 61000-6-2, IEC 61000-6-3, ISO 15118