

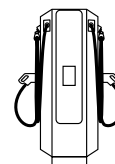
NB 120

DS 2.2

Power scalability
Simultaneous DC charging
Extended full power voltage range
Smart Fleet Management
Built-in cable management
CTEP and Energy Star certified



Standalone NB 120



REFERENCE		NB060SH NB060SU	NB090SH NB090SU	NB120SH NB120SU
DC OUTPUT	Maximum power [kW]	60	90	120
	Voltage range [V] ^[1]	150 – 1000		
	Available connectors	CCS-1, CCS-2, CHAdeMO, NACS		
	Peak current [A] ^[2]	400		
	Maximum continuous current	Current limited by the selected connector rating [Table 1]		
	Maximum number of EVs charging simultaneously	2		
AC OUTPUT (OPTIONAL, ONLY FOR IEC)	Power [kW]	22		
	Voltage range [V]	400 ± 10%		
	Maximum current [A]	32		
	Available connectors	AC Type 2 Socket		
AC INPUT FOR DC OUTPUT	Maximum Power [kVA]	64	96	128
	Voltage [V]	400 IEC / 480 UL (3ph + N + PE) ± 10%		
	Power factor	> 0.99		
	Frequency [Hz]	50 (IEC) / 60 (IEC & UL)		
	Efficiency	95%		
GENERAL	Interface	10" Touchscreen		
		E-stop pushbutton		
		Payment terminal (optional)		
	RFID reader	ISO14443 A/B, MIFARE, Calypso, ISO18092, ISO15693 and more		
	Protections	Insulation Monitoring Device		
		Overcurrent / shortcircuit (Circuit Breakers)		
		Overvoltage: Surge Arrester Type 2 (optional)		
		RCD Type A (optional)		
	Others	AC charge (optional): Circuit Breaker + RCD Type A + RCM		
		Smart Fleet Management (optional)		
	Energy measurement	Internal DC energy measurement		
		DC meter for DC output (optional)		
		AC MID meter for AC output		
	Cable length [m/ft]	5 / 16.4 with cable management system. Optionally: 7.6 / 25		
	Enclosure / foot / glass color	White (RAL 9016) / Grey (RAL 7016) / Black		
	Customization ^[3]	Enclosure (Color/Vinyl) / Logo		
	Protection rating	NEMA 3R IP54 IK10 (IK08 for ventilation grilles)		
	Operating temperature range [°C/°F]	Standard: -25 to 50 / -13 to 122 Optional: -30 to 50 / -22 to 122		
	Relative humidity	From 4% to 95%		
	Maximum altitude above sea [m/ft]	Without derating: 2000 / 6561. Max: 3000 / 9842		
	Communications	Ethernet (10/100) + Wi-Fi		
		Cellular data: 4G, 3G, GSM		
	Charge protocols	ISO 15118, CHAdeMO 1.1 and DIN 70121		
	Communication protocols	OCPP 1.6J, OCPP 2.0.1, API Rest ^[3]		
	Dimensions (WxDxH) [mm/ft]	670 x 750 x 1800 / 2.2 x 2.5 x 5.9		
	Regulation	IEC 61851-1, IEC 61851-23, IEC 61851-24, IEC 61851-21-2 UL 2202, NEC 625, FCC Part 15 Class A		

NOTES

[1] 150 - 500 Vdc for CHAdeMO. Maximum power from 300 Vdc.

[2] Consult with Power Electronics for more information about the connector overload capability.

[3] Consult with Power Electronics for further information.

[Table 1] Select connector current rating in the table below:

CCS1	-	200 A	-	300 A
CCS2	-	200 A	250 A	300 A
NACS	-	-	-	300 A
ChaDeMo	125 A	-	-	-

*NB60 output current capacity 200 A