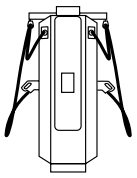
NB 160

Simultaneous DC charging.
New Built-in cable management option.
Same size, higher power density.
CTEP-NTEP-Eichrecht compliance.
Energy Star compliance.



Standalone NB 160



REFERENCE		NB080BH NB080BU	NB160BH NB160BU
DC OUTPUT	Maximum power [kW]	80	160
	Voltage range [V] [1]	200 – 1000	
	Available connectors	CCS-1, CCS-2, CHAdeMO, NACS	
	Boost current [A] [2]	440	
	Maximum continuous current [A]	Current limited by the selected connector rating [Table 1]	
	Maximum number of EVs charging simultaneously	2	
AC INPUT	Maximum Power [kVA]	85	171
	Voltage [V]	400 IEC / 480 UL (3ph + PE) ±10%	
	Power factor	>0.99	
	Frequency [Hz]	50 (IEC) / 60 (IEC & UL)	
	Efficiency	95%	
GENERAL	Interface	10" Touchscreen	
		E-Stop button (optional)	
		Payment terminal (optional)	
	RFID reader	ISO14443 A/B, MIFARE, Calypso, ISO18092, ISO15693 and more	
	Protections	Insulation Monitoring Device	
		Overcurrent / short circuit (Circuit Breakers)	
		Overvoltage: Surge Arrester Type 2 (optional)	
	Energy measurement	Internal DC energy measurement	
		DC meter (optional) Eichrecht (IEC) / CTEP-NTEP (UL) compliant	
	Cable length [m/ft]	5 / 16.4 ; 7.6 / 24.9 with different cable management systems.[4] Optionally: 6.1 / 20[3]	
	Enclosure / Foot / Glass color	White (RAL 9016) / Grey (RAL 7016) / Black	
	Customization [3]	Enclosure (Color/Vinyl) / Logo	
	Protection ratings	NEMA 3R | IP54 | IK10 (IK08 for ventilation grilles)	
	Operation temperature range [°C/°F]	Standard: -25 to 50 / -13 to 122 Optional: -30 to 50 / -22 to 122 Derating above 40 °C	
	Relative humidity	From 4% to 95% non-condensing	
	Maximum altitude above sea level [m/ft]	2000 / 6561 without derating (Max: 3000 / 9842)	
	Communications	Ethernet (10/100)	
		Cellular data: 4G, 3G, GSM	
	Charging protocols	ISO 15118, CHAdeMO 1.1 and DIN 70121	
	Communication protocols	OCPP 1.6J, OCPP 2.0.1 [3], REST API [4]	
	Dimensions (WxDxH) [mm/ft]	670 x 750 x 1800 / 2.2 x 2.5 x 5.9	
	Weight [kg/lb]	418 / 921.5	
	Regulation	IEC 61851-1, IEC 61851-23, IEC 61851-24, IEC 61851-21-2 UL 2202, UL 2231-1, UL 2231-2, CSA C22.2 No. 346.22, NEC 625, FCC Part 15 Class A	

NOTES

[1] 200 - 500 Vdc for CHAdeMO.
[2] Consult with Power Electronics for more information about the connector overload capability.
[3] Consult availability with Power Electronics.
[4] Consult with Power Electronics for further information.

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

CCS1	-	250 A	375 A
CCS2	-	250 A	375 A
NACS	-	-	375 A
CHAdeMO	125 A	-	-
		NB 80 output current capacity 220 A	

POWER ELECTRONICS