

# NB 160

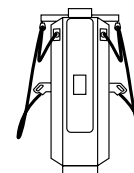
---

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



Updated Hardware – Coming Soon

# Standalone NB 160



| REFERENCE |                                               | NB080BH<br>NB080BU                                                                                                | NB120BH<br>NB120BU | NB160BH<br>NB160BU |
|-----------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|
| DC OUTPUT | Maximum power [kW]                            | 80                                                                                                                | 120                | 160                |
|           | Voltage range [V] <sup>[1]</sup>              | 200 – 1000                                                                                                        |                    |                    |
|           | Available connectors                          | CCS-1, CCS-2, CHAdeMO, NACS                                                                                       |                    |                    |
|           | Peak current [A] <sup>[2]</sup>               | 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                                                                                                                | 128                | 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 pushbutton (optional)                                                                                      |                    |                    |
|           |                                               | 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)                                                                     |                    |                    |
|           | Others                                        | Smart Fleet Management (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. <sup>[4]</sup> Optionally: 6,1 / 20 <sup>[3]</sup> |                    |                    |
|           | Enclosure / Foot / Glass color                | White (RAL 9016) / Grey (RAL 7016) / Black                                                                        |                    |                    |
|           | Customization <sup>[3]</sup>                  | 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<br>Optional: -30 to 50 / -22 to 122                                              |                    |                    |
|           | Relative humidity                             | From 4% to 95%                                                                                                    |                    |                    |
|           | 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 <sup>[3]</sup> , API Rest <sup>[4]</sup>                                                    |                    |                    |
|           | 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<br>UL 2202, 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 | -     | -     |

NB80 output current capacity 220 A  
NB120 output current capacity 330 A