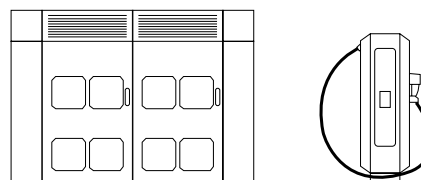


MCS Solution

The future of DC Ultra-Fast Charging.
Dynamic power distribution between 4 outputs.
MCS dispenser up to 1500 A @ 1000 Vdc.
MCS and CCS outputs compatible.



MCS Solution



NB STATION MCS LOW VOLTAGE INPUT			IEC/UL
REFERENCE	NBSMK1080AH NBSMK1080AU	NBSMK1440AH NBSMK1440AU	
DC OUTPUT	Maximum power [kW]	1080	1440
	Number of DC outputs	4 ^[1]	
	Charging CCS Cooled Dispenser power [kW]	360 ^[2]	
	Charging MCS Dispenser power [kW]	360 / 720 / 1440	
	Voltage range [V]	150 – 1000 (CCS) 400 – 1000 (MCS)	
AC INPUT	Voltage for LV connection [V]	400 IEC / 480 UL ^[2] (3ph + PE) ±10% / no neutral	
	Power factor	>0.99	
	Frequency [Hz]	50 (IEC) / 60 (IEC & UL)	
GENERAL	Protections	Overvoltage: Surge Arrester Type 2 Overcurrent / shortcircuit (Circuit Breakers) 65 kA short circuit rating	
	Enclosure color	Overtemperature Grey (RAL 7035)	
	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	
	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	
	Dimensions (WxDxH) [mm/ft]	3000 x 2020 x 2300 / 9.84 x 6.63 x 7.55	
MCS DISPENSER			IEC/UL
REFERENCE	NBDMCS1500		
DC OUTPUT	Maximum continuous current MCS [A]	1500 ^[3]	
	Voltage range [V]	400 – 1000	
	Available connector	MCS (cooled)	
GENERAL	Interface	10" Touchscreen E-stop pushbutton (optional) Payment terminal (optional) ^[2]	
	RFID reader	ISO14443 A/B, MIFARE, Calypso, ISO18092, ISO15693	
	Protections	Insulation Monitoring Device	
	Energy measurement	Internal Energy Measurement DC meter for DC output (optional) ^[2]	
	Cable length [m/ft]	3 / 9.8	
	Protection ratings	IP54 NEMA 3R IK10 (IK08 for ventilation grilles)	
	Enclosure / foot / glass color	White (RAL 9016) / Grey (RAL 7016) / Black	
	Operation 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 level [m/ft]	2000 / 6561 without derating (Max: 3000 / 9842)	
	Charging protocols	ISO 15118-20	
	Communication Protocols	Industrial Ethernet, OCPP 1.6J, OCPP 2.0.1 ^[2] , API Rest	
	Preliminary dimensions (WxDxH) [mm/ft]	710 x 950 x 2250 / 2.32 x 3.12 x 7.38	

NOTES

- [1] Up to two simultaneous 1500 A outputs.
 [2] Consult availability with Power Electronics.
 [3] Consult with Power Electronics for further information.