



DIRECTPOWERPS™

DC Split



POWER UNIT		480kW	640kW	1280kW
AC INPUT	Earthing systems	TT, TN		
	Input voltage	400Vac (±10%), 50/60 Hz (±5%)		
	Input current	Up to 750A	Up to 1000A	Up to 2x1000A
	Input power	Up to 515kVA	Up to 688kVA	Up to 1376kVA
	Protections	Overcurrent, overvoltage Type II, integrated surge protection, overtemperature		
DC OUTPUT	Output power	Up to 480kW	Up to 640kW	Up to 1280kW
	Number of outputs	Up to 12 output connectors		
INTERFACE	Connection	Ethernet, Modbus TCP, 3G/4G (optional)		
	Emergency stop button	Optional		
MECHANICAL	Product dimensions (HxWxD)	Conversion unit 2200 x 800 x 800 mm Switch Matrix 2200 x 600 x 800 mm		Total Power Unit 2200x2200x800mm
	Weight	Up to 990 kg		Up to 1700kg
	Material	Corrosion-protected steel		
	Customization	Customizable with end user's colours and logos (optional)		
	Noise level	≤ 65 dB(A) at distance of 1 m at full power		
WORKING AND INSTALLATION CONDITIONS	Operating temperature	-20°C +50°C (over 50°C with derating)		
	Installation type	Outdoor		
	Installation type	Floor mounted		
	Protection class	IP55		
	Protection against Mechanical impact	IK10		
	Humidity	From 5% to 95% without condensing		
	Maximum operating altitude	2000 m		
STANDARDS	Declaration of conformity	CE, UKCA		
	Other standards	IEC 61851-1, IEC 61851-22, IEC 61851-23, IEC 61851-24		

DISPENSER		DC TOWER DISPENSER	DC COMPACT DISPENSER
AC INPUT	Earthing systems	TT, TN	
	Input voltage	400Vac (±10%), 50/60 Hz (±5%)	
	Protections	Overvoltage Type III, integrated surge protection	
DC INPUT	Input voltage	Up to 1000V	
	Input current	Up to 500A	
OUTPUT	Charge mode	Mode 4 for DC connectors and Mode 3 for AC connector	
	Number of outputs	2 DC + 1 optional AC	2 DC or 1 DC and 1 AC
	Cable length	5m (up to 10 meters on request)	
	Output power	Up to 480kW	
	Output voltage	150 V to 1000 V	
	Output current	CCS up to 500A or 600A with additional cooling unit Type 2 up to 32A (optional)	
	Dynamic power sharing	The available power is shared between the DC connectors during charging	
INTERFACE	Connection	Ethernet, Modbus TCP, 3G/4G (optional)	
	User interface display	15.6" touchscreen and status LED lights	12.1" touchscreen and status LED lights
	Authentication method	Free Vending Mode, RFID, App, Payment terminal with Pin pad (optional)	
	Protocol	OCPP 1.6J, OCPP 2.0.1 ready	
	Connection/service	Nidec By Your Side (BYS) for remote connection	
	Advertising screen	32" screen	18,5" screen
MECHANICAL	Product dimensions (HxWxD)	Base: 2236 x 800 x 409 mm Total: 2236 x 846 x 594 mm	Base: 1900 x 400 x 300 mm Total: 1900 x 410 x 310 mm
	Weight	435 kg	100 kg
	Material	Corrosion-protected steel	
	Customization	Customizable with end user's colours and logos (optional)	
	Noise level	≤ 45 dB(A) at distance of 1 m at full power	
WORKING AND INSTALLATION CONDITIONS	Operating temperature	-20°C +50°C (-30°C +50°C as option)	
	Installation type	Indoor and Outdoor	
	Installation type	Floor mounted	
	Protection class	IP55	
	Protection against Mechanical impact	IK10	
	Humidity	From 5% to 95% without condensing	
	Maximum operating altitude	2000 m	
STANDARDS	Declaration of conformity	CE, UKCA	
	Energy metering	MID / LNE / Eichrecht compliant / PTB compliancy DC outlets	
	Other standards	IEC 61851-1, IEC 61851-22, IEC 61851-23, IEC 61851-24, DIN 70121, ISO 15118	