

Huawei FusionCharge

Fully Liquid-Cooled Ultra-Fast Charging (Reactive power compensation)

Jointly Charging the Road Ahead





Power Unit (RPC) Specification

Basic Specifications	Dimensions (W x D x H)	800 mm X 1700 mm X 2150 mm	
	Model	DS720-720LEUA4	DS720-720LEUA4
	Power Configuration (AC/DC+DC/DC)	600kW+720kW	240kW+360kW
	Weight	< 1520kg(including coolant)	< 1270kg(including coolant)
	Installation Mode	Floor-mounted	
	Efficiency (Maximum)	96%	
	Cooling	Liquid cooling	
	IP Rating	IP55	
	Communication Interface	4G,Ethernet(Northbound communication)	
	Standby Power	35W	
Input Specifications	Rated Input Voltage	2 X 400Vac, three-phase five-wire system	
	Rated Frequency	45-66 Hz	
	Rated Input Current	≤931 A (Output: 600kW, Input: 400Vac)	≤373 A (Output: 240kW, Input: 400Vac)
	Input Module	120kW AC/DC liquid-cooled module	
	Power Factor	≥0.99 (Load≥50%)	
	THDi	≤5% (Load≥50%)	
Output Specifications	Output Voltage	200~1000 Vdc	
	Output Module	60kW DC/DC liquid-cooled module	
	Current Ripple	≤ 1.5A @frequency<10Hz; ≤ 6A@frequency<5000Hz; ≤ 9A@frequency<150kHz	
	Voltage Ripple	≤ ±5V	
	Charging Connector Number	Max. 12	Max. 6
Environmental Specifications	Operating Temperature	-35°C to +50°C	
	Storage Temperature	-40°C to +70°C	
	Altitude	≤4000m	
	Relative Humidity	5%~95% (Non-condensing)	
	Noise	≤ 55 dB(A)@25°C (silent Mode), ≤ 60 dB(A)@25°C (standard mode)	
Compliance	IEC 61851-1, IEC 61851-23, IEC 61851-21-2		

*: The test data is from the lab environment.



Dispenser Specification

Basic Specifications	Type	Liquid-cooled	Boost
	Model	DT500L1-EUA2	DT500N2-EUA2
	Dimensions (W x D x H)	≤395 mm × 495 mm × 2150 mm	≤395 mm × 495 mm × 2150mm
	Maximum Output Power*1	480kW	480kW
	Charging Connector Number	1 (CCS2)	2 (CCS2)
	Charging Cable Length	5m	5m
	Installation Mode	Floor-mounted	Floor-mounted
	IP Rating	IP55	IP55
	Cable Cooling	Liquid cooling	Natural cooling
	Authentication	RFID reader(ISO/IEC 14443 A / B, ISO/IEC 15693, NFC) / Credit card reader (Optional) / QR code	RFID reader(ISO/IEC 14443 A / B, ISO/IEC 15693, NFC) / Credit card reader (Optional) / QR code
	Standby Power*2	35W	35W
	Meter Certification	MID / LNE	MID / LNE
Environmental Specifications	Operating Temperature	-30°C to +55°C (derating from 40°C)	-30°C to +55°C (derating from 40°C)
	Noise	≤50dB(A) @25°C (1m)	≤50dB(A) @25°C (1m)
	Storage Temperature	-40°C to +70°C	-40°C to +70°C
	Relative Humidity	5%RH~95%RH	5%RH~95%RH
	Altitude	≤2000m	≤2000m
Output Specifications	Output Voltage	200~1000Vdc	200~1000Vdc
	Rated Output Current	425A (continuous)	2 × 375A (continuous)
	Maximum Output Current	500 A (73 min@25°C)	single connector 500 A (46 min@25°C)
Compliance	IEC 61851-1, IEC 61851-23, IEC 61851-24, IEC 61851-21-2, IEC 62196-1, IEC 62196-3, DIN 70121, ISO15118-2		
Protections	Overvoltage protection, short circuit protection, grounding protection, overtemperature protection, leakage protection, insulation detection, door opening protection		

*1: The output power is also limited by the power unit output capability.

*2: The assumption: ambient temperature is 25 ° C. The lamp on the top is off. The screen is off. No charging connector is inserted for charging and no solar radiation.

Huawei Digital Power Technologies Co., Ltd.


Address: Huawei Digital Power Antuoshan Headquarters, Futian District, Shenzhen

Postal code: 518084

Website: <https://digitalpower.huawei.com>

Email: support@huawei.com

Trademark Notice

 and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

General Disclaimer

The information in this document may contain predictive statement including, without limitation, statements regarding the future financial and operating results, future product portfolios, new technologies, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

Copyright © 2025 Huawei Digital Power Technologies Co., Ltd. All Rights Reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Digital Power Technologies Co., Ltd.