

POWER SOLID

DC CHARGER MODULAR

PSDCCM20KWKR

20 KW

Features

- ▶ High efficiency: Max efficiency is greater than %97.
- ▶ Wide voltage range: DC200V-1000V.
- ▶ Parallel capability: Support parallel operation of 60 charging modules.
- ▶ Low noise design: Reduced impact of noise on the environment.
- ▶ Low standby power consumption: Help to increase operational income.
- ▶ Sophisticated protection function: Protection against input overcurrent, input overvoltage, output reverseconnection, output short circuit, output anti-backfill, over-temperature, etc.
- ▶ Built-in current anti-backfill circuit, automatic protection for reverse battery connection.
- ▶ Built-in PFC circuit to improvethe input power factor.
- ▶ Ultra-wide constant power range: DC300-1000V.



Technical Specifications

Model		PSDCCM20KWKR
Dimension:		218*460*88mm (W*D*H)
Weight :		<15kg
Efficiency :		>96.5%(Peak)>95% (Full Load)
Cooling :		Fan Cooling
Self-consumption :		<6w@400V
Startup time :		3-8s
Input Specification		
Input voltage:		285-475VAC
AC input mode:		3P+PE
Input frequency:		45-65Hz(Rated frequency;50/60Hz)
Input current:		≤ 40A
Power factor:		>0.99
THDi:		< 5%
Output Specification		
Output voltage:		200-1000VDC
Output power:		20kW
Ripple factor:		≤ 0.5%
Environmental Specification		
Altitude:		≤ 2000m
Operating temperature :		-40 – 75°C
Storage temperature :		-40 – 85°C
Relative humidity :		≤ 95%
MTBF :		500,000 hours
Noise:		≤ 65dB
Standards Compliance		
EN 61851-23 in conjunction with EN 61851-1:201; EN IEC 61851-1: 2019; 61851-21-2;		
EN 62477-1:2012+A11+A1+A12		