

IDS160K6/180K6/240K6-FD Fast DC Charger

160/180/240kW DC Charging Power with Two DC Charging Connectors



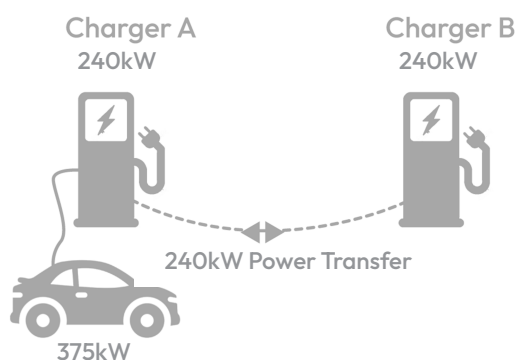
Introduction

IDS160K6/IDS180K6/IDS240K6 DC charger adopts all-in-one design and is fully compatible with CCS2/CHAdemo/GBT EV charging standards. It features a small size and light weight, making it easy to install and relocate, along with a user-friendly interface, IP55 protection, and a robust, durable structure suitable for various outdoor applications. The bottom air inlet and top air outlet design ensures quiet operation with noise levels below 65dB. It delivers up to 160kW/180kW/240kW charging power and 150Vdc to 1000Vdc charging voltage. It can be engineered with ring network function to realize power transfer between two chargers.

Main Features

-  CCS2/CHAdemo/GBT EV charging standard support
-  WEB/APP Maintenance Backend System enhances the operation and maintenance effectiveness
-  TUV CE, CB and OCA certification
-  User-friendly interface with tempered glass protective 7"/10" TFT capacitive touch screen LCD and three RGB LEDs
-  IP55, IK10, -30°C~+50°C operating temperature full power charging
-  Intelligent power switching matrix dynamically allocates power modules among connectors
-  Ring network power sharing between two chargers

Ring Network with Two 240kW Chargers



Each Charging Connector Can Get Max 375kW Power with Ring Network

Charger A-DC1	ChargerA-DC2	Charger B-DC1	Charger B-DC2
120kW	120kW	120kW	120kW
240kW	0	240kW	0
240kW	120kW	120kW	0
240kW	240kW	0	0
375kW	0	0	0

Technical Parameters

Model		IDS160K6-FD		IDS180K6-FD		IDS240K6-FD	
Operating Environment	Operating temperature	-30°C~+50°C, full power output up to 50°C, power derating 5%/°C above 50°C					
	Transportation/Storage temperature	-40°C~+75°C					
	Relative humidity	≤95%RH, non-condensing					
	Altitude	2000m					
	Atmospheric pressure	80kPa~110kPa					
	Cooling method	Air cooling					
	Protection rating	IP55/IK10					
AC Input	Frequency	45Hz~65Hz					
	Voltage	3-phase+N+PE, 380/400Vac±10%					
	Power	160kW		180kW		240kW	
	Max input current	258A		291A		388A	
	Power factor	>0.99					
	THDi	<3% (rated input)					
	DC Output	Voltage	CCS2: 150Vdc~1000Vdc; CHAdeMO:150Vdc~500Vdc; GBT:150Vdc~950Vdc				
Constant power voltage range		300Vdc~1000Vdc					
Max output current		CCS2: 375A; CHAdeMO:150A; GBT:250A					
Max output power		160kW		180kW		240kW	
Performance	Max system efficiency	>96.5% (rated input and output)					
	Standby power	30W					
	Noise	≤65dB					
Standard	Backend	OCPP 1.6J, support firmware update to 2.0x, OTA/PnC/smart charging/power management support					
	CCS PLC communication	DIN70121, ISO15118					
	CHAdeMO	CHAdeMO V1.2					
	GBT	GB/T 18487.1-2015, GB/T 27930-2015, GB/T 20234.1-3-2015					
	Certification	TUV CE, CB, OCA EN 61851-21-2 Class A; EN 61851-1/EN 61851-23/EN 61851-24					
Function and Interface	HMI	Tempered glass protective 7"/10" TFT touch screen LCD, 3 * RGB LED, EPO					
	Metering	DC energy meter, GB/T 29318 and JJG1149 standard, optional MID-certified meter					
	Monitoring interface	LAN and LTE wireless modem support					
	Optional ring network power transfer	Enables power transfer between two chargers, each charging connector can get the total charging power					
	Optional power switching mode	Intelligent power switching matrix dynamically allocates power modules among charging connectors, maximizing overall power utilization efficiency					
	Payment	RFID, Mobile APP, POS (optional)					
	MBE function support	WEB/APP Maintenance Backend System enhances the operation and maintenance effectiveness					
Charging Protection	Overcurrent protection, short circuit protection, overvoltage protection, undervoltage protection						
	Insulation monitoring, protective earth connection monitoring						
	Reverse polarity protection, overtemperature protection						
	AC input contactor protection						
Configuration	Charging module	4* REG1K0135G2 40kW 1000V		5 * REG1K0135G2 40kW 1000V		6 * REG1K0135G2 40kW 1000V	
	Charging connector	2 CCS2/GBT or CCS2+GBT/CHAdeMO					
	Charging connector capacity	GBT: 250A; CCS2: 250A/325A/375A; CHAdeMO: 150A					
	Optional cable management	Two top-mounted cable retractors					
Mechanical Parameters	Dimensions (W*D*H)	750mm*540mm*1700mm					
	Weight (cabinet+module)	204kg+4*17kg=272kg		204kg+5*17kg=289kg		204kg+6*17kg=306kg	

*The product is continuously evolving. Please refer to the latest datasheet for specifications.