

RAPID 420 Series



Ultra-fast charging points that allow simultaneous charging of up to two vehicles

	RAPID 420 Series			
	ONE	DUO	DUO/3	DUO/4
Connectors	1	2	2 & 1	2 & 2
Simultaneous charging		✓	✓	✓
Left side connector			NACS or CHAdeMO	NACS or CHAdeMO
Left front connector	CCS1 or NACS	CCS1 or NACS	CCS1 or NACS	CCS1 or NACS
Right front connector		CCS1 or NACS	CCS1 or NACS	CCS1 or NACS
Right side connector				NACS

RAPID 240
RAPID 300
RAPID 360
RAPID 420
AC INPUT

Voltage	L1 + L2 + L3 + PE 480 Vac ±15%			
Frequency	50/60 Hz ±5%			
Rated AC current	303 A	379 A	455 A	530 A

DC OUTPUT

Voltage	150 .. 1000 V			
Nominal DC current (liquid cooled)	500 A	500 A	500 A	500 A
Nominal DC current (air cooled)	375 A	375 A	375 A	375 A
Single port maximum DC power	240 kW	300 kW	360 kW	420 kW
Granularity	Minimum 60 kW + increments of 60 kW	Minimum 30 kW + increments of 60 kW	Minimum 60 kW + increments of 60 kW	Minimum 90 kW + increments of 60 kW
Number of simultaneous charges	2			
Number of connectors	Up to 4 (Left side, left front, right front, right side)			
Output connectors	One: CCS1 or NACS Duo: CCS1 or NACS + CCS1 or NACS Duo/3: NACS or CHAdeMO + CCS1 or NACS + CCS1 or NACS Duo/4: NACS or CHAdeMO + CCS1 or NACS + CCS1 or NACS + NACS			

COMPLIANCE AND SAFETY

Standards	UL 2202*
Overcurrent	MPCB + Fuse
Indirect contact	RCD Type A + IMD + GFD
Overvoltage	Protection against permanent and transient overvoltage

FUNCTIONALITIES AND ACCESSORIES

Communication	Ethernet 4G (optional), Dual SIM (optional)
Communication protocols	OCPP 1.6j, OCPP 2.0.1, ISO 15118, DIN 70121
Additional protocols	MQTT, Modbus TCP, Modbus RTU
HMI	31.5" Full HD multi-language color touchscreen
Credit Card Reader	Optional
Authentication	RFID (MIFARE Classic 1K&4K, MIFARE DesFire EV1, NFC)

GENERAL INFORMATION

Stand-by consumption	< 230 W			
Efficiency	95%			
Power factor	> 0.98			
Retractable power cord system	C-Fly System (optional)			
Cable length	Up to 18 ft with C-Fly System (optional)			
Energy metering	Built-in			
Operating temperature	-30 °F to 130 °F			
Humidity	< 95%			
Weight	1600 lb	1800 lb	2000 lb	2200 lb
Dimensions (height x width x depth)	98 1/2" x 35 1/2" x 39 1/2"			
Enclosure	Galvanized steel or stainless steel (optional)			
Maximum altitude	6500 ft			
Protection rating	NEMA 3R / IK10 (display IK08) / C5H			
Directives	FCC Part 15, NEC 625			

*Pending.