

RENOVA

RCD Group



RENOVA AC Mini(CE)

- OCPP 1.6J enables back-end system integration
- APP, RFID, Plug & Charge (Free)
- Remote management
- Cellular, Ethernet, and Wi-Fi for communication
- Over-the-air updates (OTA)
- Complete control with mobile app
- Wall or pedestal mounted

Model	R-230/32-7.4kW-OSQNC	R-400/16-11kW-OSQNC	-400/32-22kW-OSQNC
Power Output Specification			
Output Voltage	230VAC	400VAC	
Maximum Output Power	7.4kW	11kW	22kW
Output Current Range	6-32A	6-16A	6-32A
Connector Type	IEC 62196 Type 2 Cable		
Power Measurement Accuracy	Class 1.0		
Power Input Specification			
Input Voltage	AC230V±10%/ 1P+N+PE	AC400V±10%/ 3P+N+PE	AC400V±10%/ 3P+N+PE
Frequency	50Hz/60Hz		
Pulse Constant	3000imp/kWh		
Standby Power	<5W		
Input Cord	Hardwire		
User Interface Specification			
Status Indication	LED,APP		
User Authentication	APP, RFID Card, Plug and Charge		
User Interface	RENOVA charge APP, RENOVA charge Cloud		
Payment	APP, Contactless Card		
Network Specification			
Connectivity	Wi-Fi, Ethernet, 4G, CAN, RS485		
Communication Protocols	OCPP 1.6J (Can Be Upgraded To OCPP 2.0.1 Later)		
Remote Management	Remote access, diagnostics, Over-the-Air (OTA) software update enabled		
Load Management	Smart, dynamic allocation and distribution of power to EVSEs		
Operational Specification			
Dimensions(H×W×D)	350mm*200mm*120mm		
Weight	5.0kg (Vehicle connector)	7.0kg (Vehicle connector)	7.0kg (Vehicle connector)
Enclosure Rating	ABS+PC material, IP55/ IK08		
Charging Cable Length	5m		
Mounting Type	Wall or Pedestal mount		
Operating Temperature	-30°C ~ +50°C		
Storage Temperature	-42°C ~ +70°C		
Relative Humidity	5% to 95%		
Altitude	≤2000m		
Protection Specification			
Ground Fault Detection	30mA Type A+ 6mA DC		
Electrical Protection	Leakage, over-voltage, under-voltage, overload, grounding, over-temperature		
Other Protections	Moisture-proof, mildew-proof, salt spray-proof		
Regulation Specification			
Standards	IEC 61851-1:2017; EN 61851-1:2019		
Certification	CE		

"Specifications are continuously updated; please refer to the latest version."

V2.1.0



 Renova RCD group

 +86-755-26063416

 renova-europe@sz-rcd.com

 www.rcd-energy.com

 Lütticher Straße 132, Room 5.01, 40547 Düsseldorf

 12257 Florence Ave, Santa Fe Springs, CA 90670

RENOVA

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RENOVA Dawn A10(CE)

- OCPP 1.6J enables back end system integration
- APP, RFID, QR code
- Remote management by built-in network connectivity
- IP55 and wall or pedestal mount
- Cellular, Ethernet, and Wi-Fi for communication
- Over the air updates(OTA)
- 4.3-inch color touchscreen
- Low standby power consumption(<5W)

Model	RCD380/16-10BG-B-11kW		RCD380/32-10BG-B-22kW	
Power Output Specification				
Output Voltage	AC 380V			
Maximum Output Power	11kW		22kW	
Output Current Range	6-16A		6-32A	
Connector Type	IEC 62196 Type 2 Cable/ Socket			
Power Measurement Accuracy	MID meter Class 1.0			
Power Input Specification				
Input Voltage	AC380V±15%(3P+N+PE)			
Frequency	50/ 60Hz			
Pulse Constant	3000imp/ kWh			
Standby Power	<5W			
Input Cord	Hardwire			
User Interface Specification				
Status Indication	LED/ APP/ Touch Screen (4.3 Inch LCD)			
User Authentication	APP, RFID Card, Plug and Charge			
User Interface	RENOVA charge APP, RENOVA charge Cloud			
Payment	APP, QR code, Contactless Card			
Network Specification				
Connectivity	Wi-Fi, Ethernet, 4G, CAN, RS485			
Communication Protocols	OCPP 1.6J (Can Be Upgraded To OCPP 2.0.1 Later)			
Remote Management	Remote access, diagnostics, Over-the-Air (OTA) software update enabled			
Load Management	Smart, dynamic allocation and distribution of power to EVSEs			
Operational Specification				
Dimensions(H×W×D)	400*250*160mm			
Weight	/			
Enclosure Rating	ABS+PC material, IP55/ IK08			
Charging Cable Length	5m			
Mounting Type	Wall or Pedestal mount			
Operating Temperature	-30°C ~ +50°C			
Storage Temperature	-42°C ~ +70°C			
Relative Humidity	5% to 95%			
Altitude	≤2000m			
Protection Specification				
Ground Fault Detection	30mA Type A+ 6mA DC			
Electrical Protection	Leakage, over-voltage, under-voltage, overload, grounding, over-temperature			
Other Protections	Moisture-proof, mildew-proof, salt spray-proof			
Regulation Specification				
Standards	IEC 61851-1:2017, EN 61851-1:2019			
Certification	CE			

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RENOVA

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RENOVA Halo A30(CE)

- OCPP 1.6J enables back end system integration
- APP, RFID, plug & charge
- Remote management by built-in network connectivity
- IP55 and wall or pedestal mount
- Cellular, Ethernet, and Wi-Fi for communication
- Over the air updates(OTA)
- Complete control with mobile app
- Adjustable operating current

Model	R-230/32-7.4kW-YSZNA	R-400/16-11kW-YSZNA	R-400/32-22kW-YSZNA
Power Output Specification			
Output Voltage	AC 230V	AC 400V	
Maximum Output Power	7.4kW	11kW	22kW
Output Current Range	6-32A	6-16A	6-32A
Connector Type	IEC 62196 Type 2 Socket/Cable		
Power Measurement Accuracy	MID meter Class 1.0		
Power Input Specification			
Input Voltage	AC230V±10% (1P+N+PE)	AC400V±10% (3P+N+PE)	AC400V±10% (3P+N+PE)
Frequency	50/ 60Hz		
Pulse Constant	3000imp/kWh		
Standby Power	<5W		
Input Cord	Hardwire		
User Interface Specification			
Status Indication	LED, APP		
User Authentication	APP, RFID Card, Plug and Charge		
User Interface	RENOVA charge APP,RENOVA charge Cloud		
Payment	APP,Contactless Card		
Network Specification			
Connectivity	Wi-Fi, Ethernet, 4G, CAN, RS485		
Communication Protocols	OCPP 1.6J (Can Be Upgraded To OCPP 2.0.1 Later)		
Remote Management	Remote access, diagnostics, Over-the-Air (OTA) software update enabled		
Load Management	Smart, dynamic allocation and distribution of power to EVSEs		
Operational Specification			
Dimensions(H×W×D)	370*210*143mm		
Weight	6.6 lb (Socket outlet)/ 9.7 lb(Vehicle connector)	7.7 lb (Socket outlet)/ 11 lb(Vehicle connector)	7.7 lb (Socket outlet)/ 11 lb(Vehicle connector)
Enclosure Rating	PC material, IP55/IK08		
Charging Cable Length	5m		
Mounting Type	Wall or Pedestal mount		
Operating Temperature	-30°C ~ +50°C		
Storage Temperature	-42°C ~ +70°C		
Relative Humidity	5% to 95%		
Altitude	≤2000m		
Protection Specification			
Ground Fault Detection	30mA Type A+ 6mA DC		
Electrical Protection	Leakage, over-voltage, under-voltage, overload, grounding, over-temperature		
Other Protections	Moisture-proof, mildew-proof, salt spray-proof		
Regulation Specification			
Standards	IEC 61851-1:2019, IEC 62196		
Certification	CE		

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RENOVA

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RENOVA Matrix (CE)

- OCPP 1.6J enables back end system integration
- APP, RFID card, credit card
- Remote management by built-in network connectivity
- IP55 rated and stand installation
- Cellular, Ethernet, and Wi-Fi for communication
- Over the air updates(OTA)
- Up to 22kW*2 of output power
- 10.1-inch color touchscreen

Model	R-380/32*2-22*2kW-DYL
Power Output Specification	
Output Voltage	AC 380V
Maximum Output Power	2*22kW
Output Current Range	6-32A
Connector Type	IEC 62196 Type 2 Socket
Power Measurement Accuracy	MID Meter Class1.0
Power Input Specification	
Input Voltage	AC380V±15% (3P+N+PE)
Frequency	50/ 60Hz
Pulse Constant	2000imp/kWh
Standby Power	≤15W
Input Cord	Hardwire
User Interface Specification	
Status Indication	LED/ APP/ Screen (10.1 Inch LCD)
User Authentication	APP, RFID Card, Plug and charge
User Interface	RENOVA charge APP, RENOVA charge Cloud, Credit card
Payment	QR code, Contactless/ Magnetic/ EMV Credit Card
Network Specification	
Connectivity	Bluetooth, Wi-Fi, Ethernet, 4G, CAN, RS485
Communication Protocols	OCPP 1.6J (Can Be Upgraded To OCPP 2.0.1 Later)
Remote Management	Remote access, diagnostics, Over-the-Air (OTA) software update enabled
Load Management	Smart, dynamic allocation and distribution of power to EVSEs
Operational Specification	
Dimensions(H×W×D)	1600*600*240mm
Weight	83.5kg(Socket model)
Enclosure Rating	Sheet metal spraying, IP55, IK10
Charging Cable Length	/
Mounting Type	floor type
Operating Temperature	-30°C~50°C
Storage Temperature	-40°C~70°C
Relative Humidity	5% to 95%
Altitude	≤2000m
Protection Specification	
Ground Fault Detection	30mA Type A+ 6mA DC
Electrical Protection	Leakage, over-voltage, under-voltage, overload, grounding, over-temperature
Other Protections	Moisture-proof, mildew-proof, salt spray-proof
Regulation Specification	
Standards	IEC 61851-1:2017, EN 61851-1:2019
Certification	CE

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RENOVA

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RENOVA Flare(CE)

- OCPP1.6J enables back end system integration
- APP, RFID card, credit card, plug & charge
- Remote management by built-in network connectivity
- IP55 and IK10 rated
- Wall or pedestal mount
- Cellular, Ethernet, and Wi-Fi for communication
- Over the air updates(OTA)
- Dynamic load balancing
- 10.1- inch color touchscreen
- Compliance to CCS2
- CE certification

Model	R-EVC/D40/CC25/G	R-EVC/D60/CC25/G	R-EVC/D80/CC25/G
Power Output Specification			
Maximum Output Power	40kW	60kW	80kW
Output Voltage	DC150~1000V		
Output Current Range	5~125A	5~200A	5~200A
Connector Type	CCS2		
Power Measurement Accuracy	DC meter measurement (level1.0)		
Power Input Specification			
Input Voltage	260Vac~485Vac(3P+PE)		
Input Current	58A	87A	116A
Frequency	45~65Hz		
Standby Power	<0.05% (the rated output power of whole machine)		
Power factor	≥0.99 (full load)		
Efficiency	≥94%		
Current THD	≤5%		
User Interface Specification			
Status Indication	LED,APP, Touch Screen(10.1 Inch LCD)		
User Authentication	RFID, APP, QR code, Plug and Charge, Credit Card		
User Interface	RENOVA Charge APP, RENOVA Charge Cloud		
Payment	QR code, Contactless/ Magnetic/ EMV Credit Card		
Network Specification			
Connectivity	Bluetooth, WiFi, Ethernet, 4G, CAN, RS485		
Communication Protocols	OCPP 1.6J (Can Be Upgraded To OCPP 2.0.1 Later)		
Remote Management	Remote access, diagnostics, Over-the-Air (OTA) software update enabled		
Load Management	Smart, dynamic allocation and distribution of power to DC chargers		
Operational Specification			
Dimensions(H×W×D)	1100*800*280mm		
Weight	≤200kg		
Enclosure Rating	Sheet metal spraying, IP55, IK10		
Charging Cable Length	7.5m		
Mounting Type	Wall or Pedestal mount		
Operating Temperature	-30°C~50°C		
Storage Temperature	-40°C~+85°C		
Relative Humidity	5% to 95%		
Altitude	≤2000m		
Cooling Method	Fan cooling		
Noise	≤65dB		
Protection Specification			
Ground Fault Detection	Type A		
Electrical Protection	Undervoltage protection, overvoltage protection, overload protection, leakage protection, lightning protection, short circuit protection, overtemperature protection, grounding protection, emergency stop protection, access control protection		
Other Protections	Moisture-proof, mildew-proof, salt spray-proof		
Regulation Specification			
Standards	IEC 61851-1; IEC 61851-23; ISO 15118-1; DIN 70121		
Certification	CE		

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RENOVA

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RENOVA DC Ultra Fast(CE)

- OCPP1.6/ 2.0.1
- APP, RFID card, credit card, QR code
- 15.6-inch touchscreen display
- ISO 15118 Plug & Charge
- Maintenance via bluetooth app
- EMS API expansion capabilities
- Operating temperature down to -30°C
- Enhanced scalability and remote maintenance capabilities via a Linux-based architecture

Model	R-EVC/ D320/ CN22/ G	R-EVC/ D240/ CN22/ G	R-EVC/ D160/ CN22/ G	R-EVC/ D120/ CN22/ G
Power Output Specification				
Maximum Output Power	320kW(40kW*8)	240kW(40kW*6)	160kW(40kW*4)	120kW(40kW*3)
Output Voltage	DC150 ~ 1000V			
Output Current Range	DC0-300A			
Connector Type	CCS2/ NACS, Cable			
Power Measurement Accuracy	DC meter measurement			
Power Input Specification				
Input Voltage	AC400V±15%(3P+N+PE)			
Input Current	486A	365A	243A	183A
Frequency	50/ 60Hz			
Standby Power	<0.05% (the rated output power)			
Power factor	≥0.99APFC (Half load above)			
Efficiency	>95% at full charge			
Current THD	≤5%			
User Interface Specification				
Status Indication	LED,APP, Screen (15.6Inch LCD),4 Operation buttons			
User Authentication	RFID, APP, QR code, Plug and Charge			
User Interface	RENOVA Charge APP, RENOVA Charge Cloud			
Payment	QR code, Contactless/ Magnetic/ EMV Credit Card			
Network Specification				
Connectivity	PLC, Bluetooth, WiFi, Ethernet, 4G, CAN, RS485			
Communication Protocols	OCPP 1.6J (Can Be Upgraded To OCPP 2.0.1 Later)			
Remote Management	Remote access, diagnostics, Over-the-Air (OTA) software update enabled			
Load Management	Smart, dynamic allocation and distribution of power to DC chargers			
Operational Specification				
Dimensions(H×W×D)	92.52*51.18*55.12inch(2530*1300*1400mm)			
Weight	≤1322.77 lbs(≤600 kg)			
Enclosure Rating	Sheet metal spraying, IP55, IK10			
Charging Cable Length	23ft, 33ft(optional)(7m, 10m)			
Mounting Type	floor type			
Operating Temperature	-30°C~50°C			
Storage Temperature	-40°F to 158°F (-40°C to 70°C)			
Relative Humidity	5% to 95%			
Altitude	≤6500 ft(≤2000m)			
Cooling Method	Fan cooling			
Noise	≤65dB			
Protection Specification				
Ground Fault Detection	Type A			
Electrical Protection	Undervoltage protection, overvoltage protection, overload protection, leakage protection, lightning protection, short circuit protection, overtemperature protection, grounding protection, emergency stop protection, access control protection			
Other Protections	Moisture-proof, mildew-proof, salt spray-proof			
Regulation Specification				
Standards	IEC 61851; IEC 62196; ISO 15118; DIN 70121			
Certification	CE, CB, UKCA, PTB			

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RENOVA

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RENOVA-Elara-240~480kW(CE)

- 7.0-inch high-definition LCD screen
- 480kW of maximum power output, downwardly compatible to 240kW
- CCS2 standards for dual-port charging
- RFID, credit card, and plug-and-charge for user authentication
- Adopts the OCPP1.6J communication protocol
- IP55 protection and IK10 impact resistance ratings
- Data communication via built-in Ethernet, 4G, WiFi, or Bluetooth
- A compact design facilitates quick installation and deployment
- Remote management for software updates and maintenance
- API interface is reserved for connection with energy management systems
- Standby power consumption is less than 0.05% of the rated power

	/	/	/	
Power Output Specification				
Maximum Output Power	480kW(40kW*12)	400kW(40kW*10)	320kW(40kW*8)	240kW(40kW*6)
Output Voltage range	DC150 ~ 1000V			
Output Current Range	DC0-350A （for each connector）			
Connector Type	CCS2(Maximum support for 6 connectors)			
Power Measurement Accuracy	DC meter measurement			
Power Input Specification				
Input Voltage	AC400V±%15(3P+N+PE)			
Rated Input Current	730A	608A	486A	365A
Frequency	45-65Hz			
Standby Power	<0.05% (the rated output power of whole machine)			
Power factor	≥0.99APFC(Half load above)			
Efficiency	>95% at full charge			
THD	≤5%			
User Interface Specification				
Status Indication	LED, APP, Screen (7.0Inch LCD)			
User Authentication	RFID, APP, QR code, Plug and Charge			
User Interface	RENOVA charge APP, RENOVA charge Cloud			
Payment	QR code, Contactless/ Magnetic/ EMV Credit Card			
Network Specification				
Connectivity	Bluetooth, WiFi, Ethernet, 4G, CAN, RS485, PLC			
Communication Protocols	OCPP 1.6J (Can Be Upgraded To OCPP 2.0.1 Later)			
Remote Management	Remote access, diagnostics, Over-the-Air (OTA) software update enabled			
Load Management	Smart, dynamic allocation and distribution of power to DC chargers			
Operational Specification				
Dimensions(H×W×D)	2065*1200*1200mm 1730*570*325mm(Terminal)			
Weight	595kg			
Enclosure Rating	IP55, IK10			
Charging Cable Length	7m(Standard), 10m(Optional)			
Mounting Type	floor type			
Operating Temperature	-30℃ to 55℃, Derating begins above 55℃			
Storage Temperature	-40℃ to 70℃			
Relative Humidity	RH5% ~ 95%(25℃)			
Altitude	≤2000m			
Cooling Method	Fan cooling			
Noise	≤65dB			
Protection Specification				
Ground Fault Detection	Type A			
Electrical Protection	Undervoltage protection, overvoltage protection, overload protection, leakage protection, lightning protection, short circuit protection, overtemperature protection, grounding protection, emergency stop protection, access control protection			
Other Protections	Moisture-proof, mildew-proof, salt spray-proof			
Regulation Specification				
Standards	IEC 61851; IEC 62196; ISO 15118; DIN 70121			
Certification	CE, CB, UKCA			

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