



Lunar A20(ETL)

- ▶ 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



Residential
Areas



Parking



Service
Station



Commercial
Building



Fleet

Model	RCD240/32-1MBG-B-7.68kW		RCD240/40-1MBG-B-10kW	
Power Output Specification				
Output Voltage	AC 240V			
Maximum Output Power	7.68kW		10kW	
Output Current Range	6-32A		6-40A	
Connector Type	SAEJ1772 Type 1 Cable			
Power Measurement Accuracy	Class 1.0			
Power Input Specification				
Input Voltage	AC240V±10% 2P+PE		AC240V±10% 2P+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)	13.78*7.87*4.72 inches (350*200*120 mm)			
Weight	11.02 lbs,Vehicle connector (5kg,Vehicle connector)		15.43 lbs,Vehicle connector (7kg,Vehicle connector)	
Enclosure Rating	Type 3R			
Charging Cable Length	16ft (5m)			
Mounting Type	Wall or Pedestal mount			
Operating Temperature	-22°F to 122°F (-30°C to +50°C)			
Storage Temperature	-44°F to 158°F (-42°C to +70°C)			
Relative Humidity	5% to 95%			
Altitude	≤6560 ft (≤2000m)			
Protection Specification				
RCD	A+6(30 mA AC+6 mA DC)			
Electrical Protection	Leakage , over-voltage , under-voltage , overload , grounding , over-temperature			
Other Protections	Moisture-proof, mildew-proof, salt spray-proof			
Regulation Specification				
Standards	UL 2594、UL 2231			
Certification	ETL			



48A Single/ 48A Duo/80A Single/80A Duo Plug AC Charger

- ▶ OCPP1.6J / 2.0.1J
- ▶ APP, RFID card, credit card
- ▶ NEMA 4 and IK08 rated
- ▶ Maintenance via bluetooth app
- ▶ EMS API expansion capabilities
- ▶ Operating temperature down to -40°C
- ▶ Enhancing scalability and remote maintenance capabilities in the Linux system



Residential
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Parking



Service
Station



Commercial
Building



Fleet

Model	R-240/48-11kW-SQYE	R-240/80-19.2kW-SQYE	R-240/48-23kW-DQYE	R-240/80-38.4kW-DQYE
Power Output Specification				
Output Voltage	240V			
Maximum Output Power	11kW	19.2kW	23kW	38.4kW
Output Current Range	0~48A	0~80A	0~48A(per plug)	0~80A(per plug)
Connector Type	SAE J1772 Type 1/NACS Cable			
Power Measurement Accuracy	Meter IC Class 1.0			
Power Input Specification				
Input Voltage	AC200-240V 1Φ			
Frequency	60Hz			
Pulse Constant	3000imp/kWh			
Standby Power	< 5w (excluding electric meter/POS terminal)			
Input Cord	Hardwire			
User Interface Specification				
Status Indication	LED/APP/Screen (4.3 Inch 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, 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)	17.72*11.81*5.9 inches (450*300*150 mm)			
Weight	/			
Enclosure Rating	PC, NEMA 4			
Charging Cable Length	16ft,25ft(5m,7.5m)			
Mounting Type	Wall or Pedestal mount			
Operating Temperature	-40°F to 131°F,Derating begins above 104°F (-40°C to 55°C,Derating begins above 40°C)			
Storage Temperature	-40°F to 185°F (-40°C to 85°C)			
Relative Humidity	5% to 95%			
Altitude	≤6560 ft (≤2000m)			
Protection Specification				
RCD	CCID 20mA			
Electrical Protection	Leakage , over-voltage , under-voltage , overload , grounding , over-temperature			
Other Protections	Moisture-proof, mildew-proof, salt spray-proof			
Regulation Specification				
Standards	UL 2594, UL 2231-1/-2,ISO 15118,CTEP,FCC Part 15 Subpart B,ICES-003			
Certification	ETL、CTEP、Energy Star,FCC			



48A Single/ 48A Duo/80A Single/80A Duo Plug AC Charger

- ▶ OCPP1.6J / 2.0.1J
- ▶ APP, RFID card, credit card
- ▶ NEMA 4 and IK08 rated
- ▶ Maintenance via bluetooth app
- ▶ EMS API expansion capabilities
- ▶ Operating temperature down to -40°C
- ▶ Enhancing scalability and remote maintenance capabilities in the Linux system



Residential
Areas



Parking



Service
Station



Commercial
Building



Fleet

Model	R-240/48-11kW-SQYE	R-240/80-19.2kW-SQYE	R-240/48-23kW-DQYE	R-240/80-38.4kW-DQYE
Power Output Specification				
Output Voltage	240V			
Maximum Output Power	11kW	19.2kW	23kW	38.4kW
Output Current Range	0~48A	0~80A	0~48A(per plug)	0~80A(per plug)
Connector Type	SAE J1772 Type 1/NACS Cable			
Power Measurement Accuracy	Meter IC Class 1.0			
Power Input Specification				
Input Voltage	AC200-240V 1Φ			
Frequency	60Hz			
Pulse Constant	3000imp/kWh			
Standby Power	< 5w (excluding electric meter/POS terminal)			
Input Cord	Hardwire			
User Interface Specification				
Status Indication	LED/APP/Screen (4.3 Inch 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, 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)	17.72*11.81*5.9 inches (450*300*150 mm)			
Weight	/			
Enclosure Rating	PC, NEMA 4			
Charging Cable Length	16ft,25ft(5m,7.5m)			
Mounting Type	Wall or Pedestal mount			
Operating Temperature	-40°F to 131°F,Derating begins above 104°F (-40°C to 55°C,Derating begins above 40°C)			
Storage Temperature	-40°F to 185°F (-40°C to 85°C)			
Relative Humidity	5% to 95%			
Altitude	≤6560 ft (≤2000m)			
Protection Specification				
RCD	CCID 20mA			
Electrical Protection	Leakage , over-voltage , under-voltage , overload , grounding , over-temperature			
Other Protections	Moisture-proof, mildew-proof, salt spray-proof			
Regulation Specification				
Standards	UL 2594, UL 2231-1/-2,ISO 15118,CTEP,FCC Part 15 Subpart B,ICES-003			
Certification	ETL、CTEP、Energy Star,FCC			



Starshine(ETL)

- ▶ OCPP 1.6J enables back end system integration
- ▶ APP, RFID card, credit card, plug & charge
- ▶ Remote management by built-in network connectivity
- ▶ NAME 3R and IK10 rated
- ▶ Wall or pedestal mount
- ▶ Cellular, Ethernet, and Wi-Fi for communication
- ▶ Over the air updates(OTA)
- ▶ Dynamic load balancing
- ▶ 7-inch color touchscreen
- ▶ Compliance to CCS1 and NACS
- ▶ ETL certification



Highway Service Station



Parking



Service Station



Commercial Building



Fleet

Model	RCD2040A-2-B	RCD2060A-2-B
Power Output Specification		
Maximum Output Power	40kW	60kW
Output Voltage	DC200~1000V	
Output Current Range	0-125A	0-200A
Connector Type	CCS1, NACS Cable	
Power Measurement Accuracy	DC meter measurement (level 1.0)	
Power Input Specification		
Input Voltage	AC480Y/277V±15%(3P+N+PE)	
Input Current	0-49A	0-70A
Frequency	45~65Hz	
Standby Power	< 100W	
Power factor	≥0.99 (full load)	
Efficiency	> 94%	
Current THD	≤5%	
User Interface Specification		
Status Indication	LED/APP/Touch Screen (7 Inch LCD)	
User Authentication	APP, RFID Card, Plug and charge, QR code	
User Interface	RENOVA Charge APP,RENOVA Charge Cloud	
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 DC chargers	
Operational Specification		
Dimensions(H×W×D)	43.3*27.6*7.9 inch (1100*700*200mm)	
Weight	203lbs (92 kg)	223lbs (101 kg)
Enclosure Rating	Sheet metal spraying,NAME 3R,IK10	
Charging Cable Length	25ft(7.5m)	
Mounting Type	Wall or Pedestal mount	
Operating Temperature	-22°F to 122°F (-30°C to 50°C)	
Storage Temperature	-40°F to 185°F (-40°C to 85°C)	
Relative Humidity	5% to 95%	
Altitude	≤6560 ft (≤2000m)	
Cooling Method	Intelligent air cooling	
Noise	≤65dB	
Protection Specification		
RCD	A+6(30 mA AC+6 mA DC)	
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	UL 2202-2022, UL 2231	
Certification	ETL,FCC	



240-120kW Dual-Port DC Charger

- ▶ OCPP1.6 / 2.0.1
- ▶ APP,RFID card,credit card,QR code
- ▶ 15.6-inch touchscreen display
- ▶ Dynamic load balancing
- ▶ ISO 15118 plug & charge
- ▶ Maintenance via bluetooth app
- ▶ EMS API expansion capabilities
- ▶ Operating temperature down to -40°C
- ▶ Enhancing scalability and remote maintenance capabilities in the Linux system



Highway Service
Station



Parking



Service
Station



Commercial
Building



Fleet

Model	R-EVC/D240/SN22/G		R-EVC/D180/SN22/G	R-EVC/D120/SN22/G
Power Output Specification				
Maximum Output Power	240kW(30kW*8)		180kW(30kW*6)	120kW(30kW*4)
Output Voltage	DC150~1000V			
Output Current Range	DC0-300A			
Connector Type	CCS1/NACS,Cable			
Power Measurement Accuracy	DC meter measurement (level 1.0)			
Power Input Specification				
Input Voltage	AC480Y/277V±15%(3P+PE/3P+N+PE)			
Input Current	289A	217A		145A
Frequency	60Hz			
Standby Power	<0.05%			
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)	85.24*35.43*39.37 inch (2165*900*1000mm)			
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	-40°F to 149°F,Derating begins above 131°F (-40°C to 65°C,Derating begins above 55°C)			
Storage Temperature	-40°F to 158°F (-40°C to 70°C)			
Relative Humidity	5% to 95%			
Altitude	≤6560 ft (≤2000m)			
Cooling Method	Fan cooling			
Noise	≤65dB			
Protection Specification				
RCD	A+6(30 mA AC+6 mA DC)			
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	UL 2594, UL 2231-1/-2,ISO 15118,CTEP,FCC Part 15 Subpart B,ICES-003			
Certification	ETL,CTEP,Energy Star,FCC			