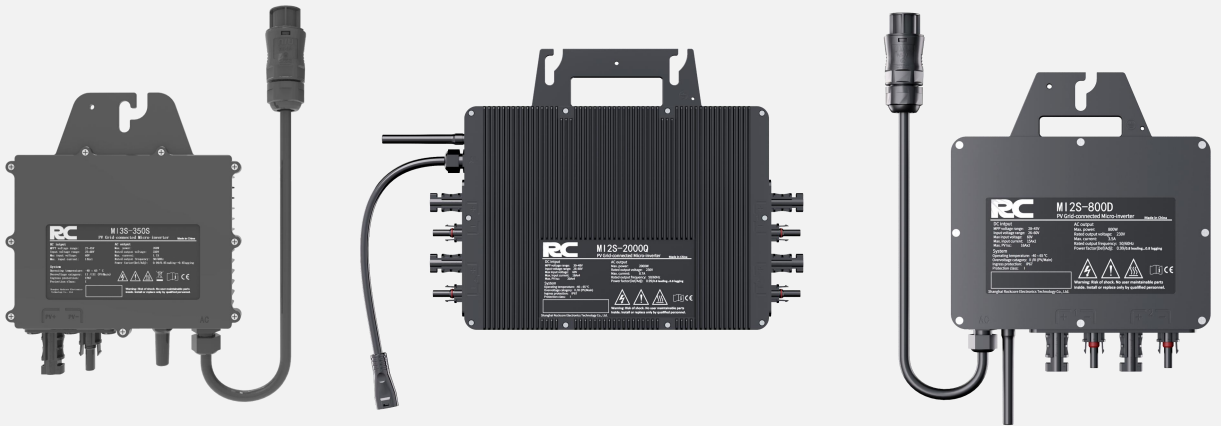




Micro Inverter

Rockcore Introduction

Shanghai Rockcore Electronics Technology Co.,Ltd. focuses on the research, development, production, and sales of new energy systems with photovoltaic micro inverters as the core. The main products include photovoltaic micro inverters and energy storage systems. The company's core product, photovoltaic micro inverter, has complete intellectual property rights. With over ten years of industry practice in distributed photovoltaics, the company is dedicated to providing safe, efficient, and convenient photovoltaic system solutions for global users.

FEATURES



Easy operation



WIFI communication



IP67 protection degree
12 Years Standard , Extended
Warranty Optional



Module level monitoring

Specifications

Model	MI3S-350S	MI3S-400S	MI3S-450S
Input Data (DC)			
Recommended PV Module Power (STC) Range	350-420	400-480	450-530
Peak power MPPT voltage range (V)	27-45	27-45	27-45
Operating voltage range (V)	25-60	25-60	25-60
Maximum input voltage (V)	60	60	60
Maximum input current (A)	14	16	18
Maximum continuous output power (VA)	350	400	450
Maximum continuous output current (A)	1.7	1.9	2.2
Nominal output voltage/Range (V)①	230V/207-253V		
Adjustable Output Voltage Range(V)	187V-265V		
Nominal frequency//Range(Hz)①	60/59.3-60.5Hz, 50/48-51Hz		
Adjustable Output Frequency Range(Hz)	45Hz-65Hz		
Power factor (adjustable)	0.99/0.8 leading...0.8 lagging		
Total harmonic distortion	<5%		
Efficiency			
Peak convert efficiency	>95%		
CEC weighted efficiency	>94%		
Nominal MPPT efficiency	>99.8%		
Night power consumption (mW)	<30		
Mechanical Data			
Ambient temperature range (°C)	-40~ + 65		
Dimensions (W × H × D [mm])	195*180*33		
Weight (kg)	1.5		
Altitude (m)	2000		
Ingress protection	IP67		
Cooling	Natural Convection		
Features			
Communication	Wi-Fi /802.11b/g/n 2.4GHz		
solation Design	High Frequency Transformers, Galvanically Isolated		
Warranty	12 Years Standard ; Extended Warranty Optional		
Compliance②	VDE 0124,CEI 0-21,VDE 0126,RD 1663,RD1699,EN50549-1,EN50549-10,VDE4105,UNE217001/UNE217002/RD647,NB/T 32004		

*① Nominal voltage/frequency range can be changed to fulfill power department's regulation.

*② Combination for different sale region.

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Specifications

Model	MI2S-600D	MI2S-700D	MI2S-800D
Input Data (DC)			
Recommended PV Module Power (STC) Range	300-360	350-420	400-480
Peak power MPPT voltage range (V)	30-45	30-45	30-45
Operating voltage range (V)	25-60	25-60	25-60
Maximum input voltage (V)	60	60	60
Maximum input current (A)	2*11	2*13	2*15
Output Data (AC)			
Maximum continuous output power (VA)	600	700	800
Maximum continuous output current (A)	2.8	3.2	3.7
Nominal output voltage/Range (V)①	230V/207-253V		
Adjustable Output Voltage Range(V)	187V-265V		
Nominal frequency//Range(Hz)①	60/59.3-60.5Hz, 50/48-51Hz		
Adjustable Output Frequency Range(Hz)	45Hz-65Hz		
Power factor(adjustable)	0.99/0.8 leading...0.8 lagging		
Total harmonic distortion	<5%		
Efficiency			
Peak convert efficiency	>95%		
CEC weighted efficiency	>94%		
Nominal MPPT efficiency	>99.8%		
Night power consumption (mW)	<100		
Mechanical Data			
Ambient temperature range (°C)	-40°C~ + 65°C		
Dimensions (W × H × D [mm])	220*220*37		
Weight (kg)	3		
Altitude (m)	2000		
Ingress protection	IP67		
Cooling	Natural Convection		
Features			
Communication	Wi-Fi /802.11b/g/n 2.4GHz		
Isolation Design	High Frequency Transformers, Galvanically Isolated		
Warranty	12 Years Standard ; Extended Warranty Optional		
Compliance②	VDE 0124,CEI 0-21,VDE 0126,RD 1663,RD1699,EN50549-1,EN50549-10,VDE4105,UNE217001/UNE217002/RD647,NB/T 32004		

*① Nominal voltage/frequency range can be changed to fulfill power department's regulation.

*② Combination for different sale region.

Specifications

Model	MI2S-1800Q	MI2S-2000Q
Input Data (DC)		
Recommended PV Module Power (STC) Range	450-540	500-600+
Peak power MPPT voltage range (V)	30-48	30-48
Operating voltage range (V)	26-60	26-60
Maximum input voltage (V)	60	60
Maximum input current (A)	16×4	18×4
Output Data (AC)		
Maximum continuous output power (VA)	1800	2000
Maximum continuous output current (A)	7.8	8.7
Nominal output voltage/Range (V)①	230V/207-253V	
Adjustable Output Voltage Range(V)	195.5V-264.5V	
Nominal frequency//Range(Hz)①	60/59.3-60.5Hz, 50/48-51Hz	
Adjustable Output Frequency Range(Hz)	45Hz-65Hz	
Power factor(adjustable)	0.99/0.8 leading...0.8 lagging	
Total harmonic distortion	<5%	
Efficiency		
Peak convert efficiency	>95%	
CEC weighted efficiency	>93.5%	
Nominal MPPT efficiency	>99.8%	
Night power consumption (mW)	<100	
Mechanical Data		
Ambient temperature range (°C)	-40°C~ + 65°C	
Dimensions (W × H × D [mm])	320*293*48	
Weight (kg)	6.4	
Altitude (m)	2000	
Ingress protection	IP67	
Cooling	Natural Convection	
Features		
Communication	Wi-Fi /802.11b/g/n 2.4GHz	
Isolation Design	High Frequency Transformers, Galvanically Isolated	
Warranty	12 Years Standard ; Extended Warranty Optional	
Compliance②	VDE 0124,VDE 0126,RD 1663,RD1699,EN50549-1, CEI 0-21: 2002, UNE217001/UNE217002/RD647,NB/T 32004	

*① Nominal voltage/frequency range can be changed to fulfill power department's regulation.

*② Combination for different sale region.

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