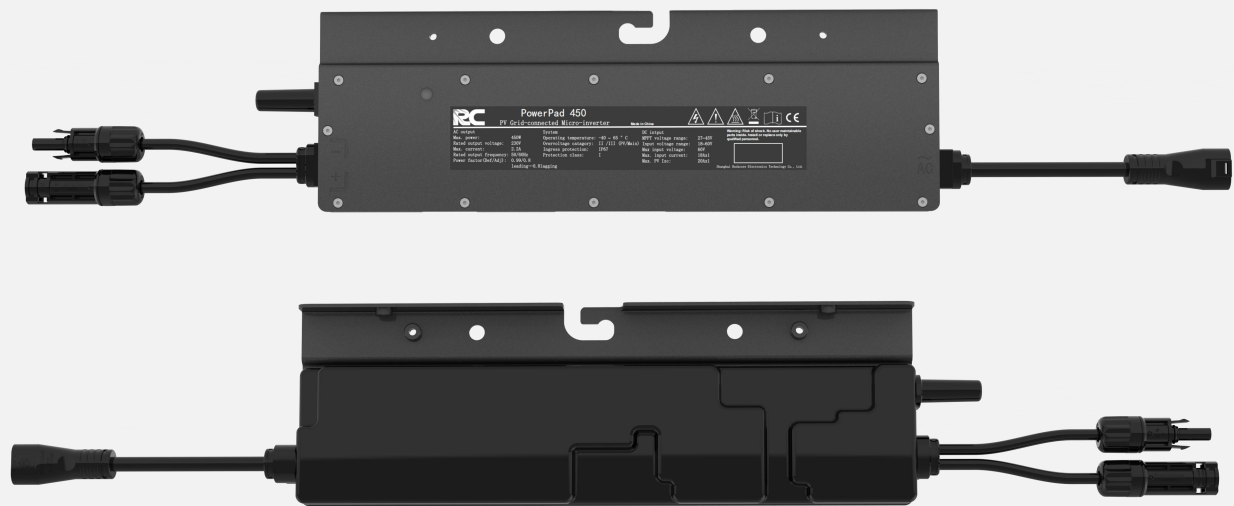




Description

Rockcore micro inverters meet the requirements of reactive power, can maintain the voltage of the grid and ensure the stable operation of the grid.

With the output power up to 500 VA, Rockcore micro inverter PowerPad 500 rank among the highest for 1-in-1 micro inverters.

PowerPad 400/450/500

Micro Inverter

FEATURES



Easy operation



WIFI communication



IP67 protection degree
12 Years Standard , Extended
Warranty Optional



Module level monitoring
Adapt up to 600w PV module

Specifications

Model	PowerPad 400	PowerPad 450	PowerPad 500
Input Data (DC)			
Recommended PV Module Power (STC) Range	400-500	450-530	450-600
Peak power MPPT voltage range (V)	27-45		
Operating voltage range (V)	18-60		
Maximum input voltage (V)	60		
Maximum input current (A)	16	18	20
Output Data (AC)			
Maximum continuous output power (VA)	400	450	500
Maximum continuous output current (A)	2	2.2	2.4
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~ + 65		
Dimensions (W × H × D [mm])	353*115*22		
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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