



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 600 W, Rockcore micro inverter PowerPad 600 rank among the highest for 1-in-1 micro inverters.

PowerPad 500/550/600

Micro Inverter

FEATURES



Easy operation



WIFI communication



IP67 protection degree
12 Years Standard , Extended
Warranty Optional



Module level monitoring
Adapt up to 700W+ PV module

Specifications

Model	PowerPad 500	PowerPad 550	PowerPad 600
Input Data			
Recommended PV Module Power (STC) Range	450-600	450-650	450-700+
Peak power MPPT voltage range (V)	34-52		
Operating voltage range (V)	18-60		
Maximum input voltage (V)	60		
Maximum input current (A)	16	18	20
Output Data			
Maximum continuous output power (W)	500	550	600
Maximum continuous output current (A)	2.3/2.2	2.5/2.4	2.8/2.7
Nominal output voltage/Range (V)①	220/230V (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*108.4*21.5		
Weight (kg)	1.5		
Altitude (m)	2000		
Ingress protection	IP67		
Cooling	Natural Convection		
Features			
Communication	Wi-Fi /802.11b/g/n 2.4GHz		
solution 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.