

Model No: RPMI-700/800-2T

Solar Microinverter

V202502



Product Description

RPMI-700/800-2T series microinverter is specially designed for small and medium-sized solar power generation systems, with a typical application case being balcony solar systems. It can meet the power generation demand of one PV module up to 800W or two PV modules up to 400W. Equipped with the self-developed anti reverse flow meter to control the power output of pv modules, it automatically matches the real-time power of household electrical equipment.

Data monitoring: Integrated industrial-grade WiFi module, automatic MESH networking function, simple setup can be networked through the home router, through the Solar Point data platform to view the power generation status of each PV module.

Installation: with user-friendly connectors, plug and play, clean energy, easy to get.



Product Features

Core Highlights

Support wireless anti backflow
(up to 6 microinverters)
55°C Power derating

Installation Friendly

Compatible with 300W to 800W high power PV module
Support OCR fast one-click networking
WiFi MESH communication

Experience Friendly

Plug and play installation
One-click access to Solar Point
Cloud Monitoring Platform

O&M Convenient

Module-level data monitoring
Remote firmware update

Technical Specifications

MODEL	RPMI-700-2T		RPMI-800-2T	
INPUT (DC)				
Adapted PV module power	300 ~ 730W		300 ~ 800W	
Max. input voltage	60V			
MPPT voltage range	18 ~ 48V			
Starting voltage	16V			
Max. input current	2*12A/20A		2*14A/20A	
Max. input short-circuit current	25A			
Number of MPPTs	1			
Max. number of input channels	2			
OUTPUT (AC)				
Rated output power	700W		800W	
Rated output current	3.18A		3.64A	
Output voltage/Range	220V/187V~270V			
Rated frequency	50/60Hz			
Power factor	>0.99 Default			
THD	< 3%			
DC Component	< 0.5%In			
Max. number of microinverter of each branch(10AWG trunk cable)	8			
Max. number of microinverter of each branch(12AWG trunk cable)	6			
EFFICIENCY				
Peak efficiency	96%			
MPPT efficiency	99.9%			
Weighted efficiency	95%			
COMMON PARAMETER				
Environmental temperature	-40℃ ~ +65℃			
Size	226*198*36mm			
Weight	2.5kg			
Protection grade	IP67			
Max. altitude	< 2000m			
Cooling method	Natural cooling			
Night power consumption	< 50mW			
Communication method	WiFi MESH / PLC			
Isolation method	High frequency transformer electrical isolation			
Monitoring platform	Solar Point intelligent data monitoring platform			
Grid connection standard	NB/T 42142 - 2018			
Certificate	CEI/EN 62109-1/-2, CEI/EN 61000-6-1/-2/-3/-4, CEI/EN 61000-3-2/-3			
SECURITY PROTECTION FUNCTION				
Anti-islanding protection, input reverse protection,output short-circuit protection,output over-current protection, output over-voltage protection, 6000V surge protection				