

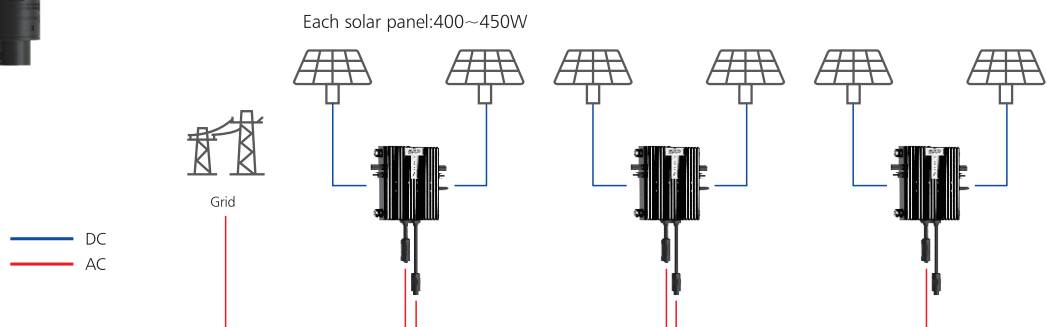


# Micro Inverter - Single Phase 800W



## Product Features

- Panel-level MPPT control, ensuring each PV panel works individually to reduce the shading effect on the entire system
- One 800W micro inverter can connect to two independent solar panels (Max. 450W)
- Extensible working mode to reach the application of micro inverters in energy storage systems
- Integrated relay inside for considerable protection
- High protection level design in IP67
- Extremely easy to complete the installation with plug-and-play connectors and ultralight design



Micro Inverter 800W		SRP-800RS-M1
<b>PV String Input Data</b>		
Recommended PV Module Range(W)		350~450
Max.DC Input Voltage (V)		60
Nominal DC Input Voltage (V)		40
Start-up Voltage (V)		20
MPPT Voltage Range(M)		25-50
Max.Input Current per MPPT (A)		2*18
Max.Short-circuit Current per MPPT(A)		2*20
No. of MPPT		2
No. of PV Modules per MPPT		1
<b>AC Output Data</b>		
Nominal Ouput Active Power (W)		800
Max.Ouput Power(W)		2400
Nominal Output Voltage (V)		220/ 230(187~278Vac),120(60-144Vac)
Nominal Output Frequency (Hz)		50/60
Output Frequency Range (Hz)		45-65(Adjustable)
Short-circuit Output Current (A)		7.5(13.7@120V)
Power Factor		-1(Adjustable from 0.8 leading to 0.8 lagging)
THDi		<3%
<b>Efficiency</b>		
Max. Efficiency		96.50%
CEC Efficiency		95.00%
Night Self Consumption		<50mW
<b>General</b>		
Operating Temperature Range (°C)		-40~65(>45°C derating)
Relative Humidity		4~100%
Max.Operating Altitude (m)		4000(>2000m derating)
Cooling Method		Natural Cooling
Communication		WiFi
Weight (kg)		4.5
Dimension (W*H*D mm)		218*245*42
Topology		Transformerless
Self-consumption at Night (mW)		<50
Ingress Protection Rating		IP67