

Technical parameters:

Type(unit)	SUN INVM MPPT1K24V	SUN INVM MPPT2K48V	SUN INVM MPPT3K48V	SUN INVM MPPT5K48V	
Rated capacity (KVA)	1	2	3	5	
Battery rated voltage (V)	24	48	48	48	
PV Input	PV maximum input open voltage (V)	225	225	225	
	MPPT voltage range (V)	100	150	150	
Grid Input	Voltage range (VAC)	110/220±15%			
	Frequency (Hz)	50/60			
	Rated charge current (A)	30	30	30	
output	Rated output voltage (V)	110/220±15%			
	Rated output frequency (Hz)	50/60±1%			
	Rated output current (A)	5.5	9.1	13.6	22.7
	Output power factor	≥0.8			
	THD	<3%			
	Output wave	Sine wave			
	Output phase	Single phase			
	Peak factor	3:1			
Others	PV charge current	2*20	2*20A	2*30A	2*50A
	Efficiency	≥85%			
	Dynamic response	5% (load from 0 to 100%)			
	Noise level	≤40dB (1m distance)			
	Display interface	LCD			
	Communication interface	USB			
	Environmental Temperature (°C)	0~+55			
	Environmental Humidity	10%-90%(non condensing)			
	Protection level	IP21			
	Protection function	Array/ over voltage, over current, short circuit, reverse connection, etc protection function			
	Altitude (m)	≤2000(above 1000m need according GB/T3859.2 to derate operating)			
	Dimensions (mm)	420*640*210 (W*H*D)	420*640*210 (W*H*D)	420*640*210 (W*H*D)	420*640*210 (W*H*D)
	Weight (kg)	20	25	25	30



Solar inverter with controller

SUNINVP series Solar/Grid Hybrid Inverter with Charger&PWM controller

Advantage

SUNINVP Series Inverters& Charger & controller are the latest developed solar and grid combination inverter by Multifit company. The noticeable feature of this inverter is that it possesses the bypass solution between the Grid Power Supply and battery bank charged by hybrid solutions like PV.

It has the solar charger controller and battery charger function.

It is known as an Inverter with ATS function from the Solar Power to the Mains Power.

It is applying the automatic CPU control, and the energy saving function as a common property.

Multifit Company is the only one manufacturer of this new inverter (SUNINVP series). Traditional Solar Inverter which are used on the stand Alone Solar Power Station simply, when the Energy Produced from the Solar Panel is running out, or the Battery Bank is not charged fully, the Power supply will be cut off, and the system is not going to supply any other energy. Our SUNINVP Series new inverter will solve this problem absolutely. When the energy produced from the solar Panel is not enough, the Inverter will change up the grid power and continue to supply the power to AC equipment and charge the battery at the same time, the customer can use the power without any breakdown. Our SUNINVP Inverter has been widely used on the mountainous areas and inland, the areas where have not enough power and less. Solar power or wind power primary or grid power primary can be set by customers.