



High Frequency Hybrid MPPT Inverter

- SUNINVM HF-Pro 1.6K
- SUNINVM HF-Pro 3.2K
- SUNINVM HF-Pro 4.5K
- SUNINVM HF-Pro 6.2K

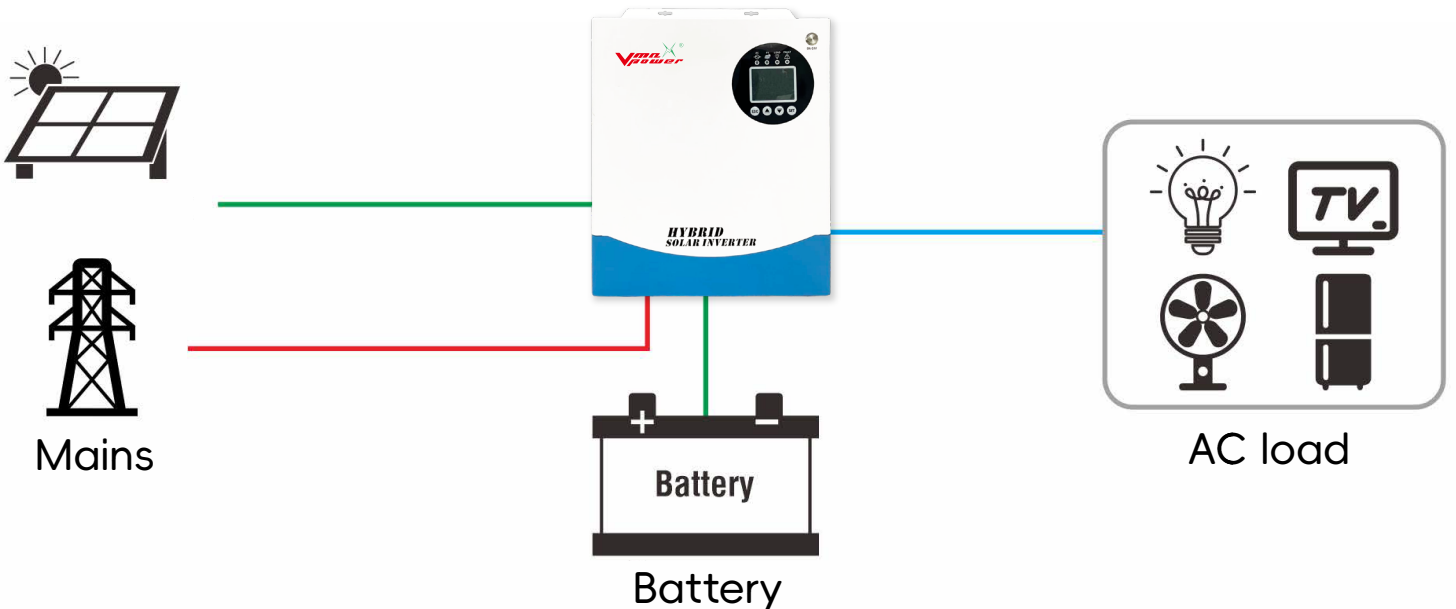


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Supports battery-free operation mode.



Product parameters

Model	SUNINVM HF-Pro 1.6K	SUNINVM HF-Pro 3.2K	SUNINVM HF-Pro 4.5K	SUNINVM HF-Pro 6.2K
AC power input voltage	Default 180VAC-265VAC, Can be set to 100VAC-280VAC			
AC input frequency	47Hz~63Hz			
Maximum AC charging current	50A	60A	50A	60A
AC switching time	Inverter switching to AC power response time: 10ms; When load exceeds 100W, AC power switching to inverter response time: 20ms			
Inverter rated power (@30℃)	1600W	3200W	4500W	6200W
Instantaneous surge output power	3200W	6000W	8000W	10000W
Inverter output voltage range	220VAC/230VAC/240VAC±3%			
Inverter output frequency range	50Hz/60Hz±0.2%			
Output voltage waveform	Pure Sine Wave			
Output voltage total THD	<3%(Pure Resistive Load)			
Full load efficiency	92%			
Maximum inverter efficiency	94%			
Grid-connected power	1600W	2500W	3500W	4500W
With anti-reverse flow	YES			
Maximum PV input current	18A		27A	
Maximum PV input power	1600W	3500W	5000W	7000W
MPPT optimal operating voltage	360VDC			
MPPT voltage range	45VDC~450VDC			
Maximum PV charging current	60A	100A	80A	100A
Maximum MPPT efficiency	≥99%			
Battery rate voltage	24VDC		48VDC	
Battery operating voltage range	21VDC~30VDC		42VDC~60VDC	
Maximum battery charging current	60A	100A	80A	100A
No-load loss	25W			
Operating temperature	-10℃~50℃(>35℃ Derated Operation)			
Storage ambient temperature	-20℃~60℃			
IP rating	IP30			
Relative humidity	<95% RH, Non-condensing			
Product size	355x260x100mm		405x330x120mm	
N.W	4455g		8323g	
G.W	4890g		8856g	
Means	420x350x170mm		465x42x19mm	