

Hybrid Inverter(IP54)



3kW Pro

SP-HYBRID



Product Features

High Efficiency

Pure Sine Wave Inverter
MPP Tracking Efficiency 99.9%
Battery Mode Conversion Efficiency 92%

Powerful Performance

150% Overload Capacity@10S
200% Overload Capacity@2S
Input Overvoltage Protection till 380V

Solid Quality & Service

IP54 Protection Design for Anti-Dust and Waterproof
3-Year Replacement

Model	IPV-3K24U Pro
Efficiency	
MPP Tracking Efficiency	95%
Max. Battery Mode Conversion Efficiency	92%
PV Input	
Max. PV Input Power	4500W
Max. DC Input Voltage	500V
Start-Up Voltage	75V
MPPT Voltage Range	70V-425V
Max. Input Current	18A
MPP Trackers	1
AC Input	
Max. Grid Input Voltage	380Vrms
Nominal Voltage	230VAC
Input Voltage Range	90-280VAC
Max. AC Input Current	20A
Max. Input Power	4600W(Bypass Power>1600W)
Nominal Operating Frequency	50Hz/60Hz
THDi	<3%
AC Output	
Nominal AC Output Power	3000W
Max. Output Apparent Power	3600VA
Nominal AC Output Voltage	220V
Total Voltage Harmonic Distortion	3%
Max. AC Output Current	16.3A
Nominal AC Frenquency	50Hz
Switch Time	10mS
Surge Power	6000W@2S
Overload Capacity	105%-150%@10S 150%-200%@2S
Battery	
Battery Type	Lead-acid/LPF
Rated Voltage	24V
Battery Voltage Range	20-30V
Max. MPPT Charging Current	125A
Max. Mains/Generator Charging Current	125A
Max. Discharging Current	135A(Battery Voltage>24V)
General	
Dimensions D*W*H	350mm*290mm*108mm
Net Weight	6kg
Operating Temperature Range	-10-55°C, >45°C Power Derating
Max. Operating Altitude	4000m.>2000 Power derating
Communication	RS485/RS232
Diesel Generator Support	No
Number of Parallel	No
Cooling Method	Intelligent Fan Cooling
Noise	<55dB(PV Connected) <45dB(No PV Connected)
Authentication Level	IEC62109-1, IEC62109-2, IEC61683
Protection	
Ingress Protection	IP54
Overvoltage Protection	Yes
Overload Protection	Yes
Short Circuit Protection	Yes
Over Temperature Protection	Yes
Surge Protection	DC: TYPE III, AC: TYPE III