

SAKO Hybrid Inverter 6kw Technical Parameters

MODEL NO.	SUNPOLO 6KVA
Basical information	
Max. PV Input Power	6000W
Rated AC Output Power	6000W
Grid-Tie Operation	
PV Input (DC)	
Nominal DC Volt/Max DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	120VDC
MPPT Voltage Range	120-450VDC
No. of MPPT Tracker/Max. Input Current	1/27A
Grid Output (AC)	
Nominal Output Volt	230Vac, Single Phase
Output Voltage Range	184V-265Vac or 195-253V (Selectable)
Nominal Output Current	26.0A
Power Factor	>0.9
Efficiency	
Max. Conversion Efficiency (DC/AC)	96%
Off-Grid Operation	
AC Input (AC)	
AC Start-up Voltage/Auto Restart Volt.	120Vac-140Vac/180Vac

Acceptable Input Voltage Range	90-280Vac or 170-280Vac
Max. AC Input Current	40A
PV Input (DC)	
Max. DC Voltage	500VDC
MPPT Voltage Range	120-450VDC
No. of MPPT Tracker/Max. Input Current	1/27A
Grid Tie Mode	
Nominal Output Volt	220Vac/230Vac/240Vac, Single Phase
Feed-in Voltage Range	184V-265Vac
Max Efficiency DC/AC	>95%
Battery Mode Output (AC)	
Nominal Output Volt	220Vac/230Vac/240Vac
Waveform	Pure sine wave
Efficiency(DC to AC)	93%
Hybrid Operation	
PV Input (DC)	
Nominal DC Volt/Max DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	120VDC
MPPT Voltage Range	120-450VDC
No. of MPPT Tracker/Max. Input Current	1/27A
Grid Output (AC)	
Nominal Output Volt	220Vac/230Vac/240Vac, Single Phase

Output Voltage	Range	184V-265Vac or 195-253V (Selectable)
Nominal Output	Current	26.0A
AC Input (AC)		
AC Start-up	Voltage/Auto Restart Volt.	120Vac-140Vac/180Vac
Acceptable	Input Voltage Range	90-280Vac or 170-280Vac
Max. AC Input	Current	40A
Battery Mode Output (AC)		
Nominal Output	Volt	220Vac/230Vac/240Vac
Waveform		Pure sine wave
Efficiency(DC	to AC)	93%
Battery & Charger		
Battery Type	Supported	
Nominal	Battery Voltage	48Vdc
Max Solar	Charge Current	120A
Max AC Charge	Current	120A
Max Total	Charge Current	120A
General		
Physical		
Products	Dimension,D X W X H (mm)	456*303*148
Product Net	Weight(kgs)	12
Packing	Dimension,D X W X H (mm)	535mm*382*mm*224mm,1PC/CTN

Gross Weight(kgs)	13.5
Parallel functions Optional	Yes, optional, max 9pcs
Communication Interface	RS232,USB,RS485,WIFI
Environment	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C