

**SAKO INTEGRATED SOLAR SYSTEM SMP SERIES**

**SAKO SMP SERIES MAIN FUNCTION**

- Micro Processor Control
- With DC And AC Over Load Protection
- With High Temperature Protection
- AC Charger Optional
- Over Charge, Low Discharge Protection
- LCD Display Show All Information
- Easy To Move Anywhere
- LED Lights Long Life Using
- High Efficient DC-TO -AC
- Output DC 12V/24V And AC 220V
- Application For Fan, Light, TV.



OHSMS 28001 ISO 9001:2000 ISO 14001:2004


**SAKO SMP SERIES TECHNICAL PARAMETER**

Name Of Parts	Model	Specifications		
		SMP-300-50W	SMP-300-80W	SMP-500-100W
Mono-Crystalline Solar Panels	The Maximum Power Of	50W	80W	100W
	Quantity (PCS)	1PCS	1PCS	1PCS
	The Short Circuit Current	3.19A	5.03A	6.28A
	The Maximum Power Current	2.9A	4.57A	5.71A
	The Open Circuit Voltage	21VDC	21VDC	21.24VDC
Battery Inside	The Maximum Power Voltage	18VDC	18VDC	18VDC
	Maintenance Free Lead-Acid	12V/24AH	12V/33AH	12V/38AH
Solar Charge Controller Inside	Quantity (PCS)	1PCS		
	Rated Voltage (VDC)	12VDC		
	Discharge Current (A)	10A		
	Quantity (PCS)	1PCS		
	Charge And Recover Voltage	13.8V/Lead-Acid		
	The Battery'S Overvoltage	14.4V/13.6VDC		
	The Set Range Of Voltage	10.8V-11.6VDC		
Inverter	The Set Range Of Voltage	12.2V-13.2VDC		
	Rated Output Power (W)	300W	300W	500W
	Quantity (PCS)	1PCS		
	Rated Output Voltage (VAC)	220VAC±10%, 50Hz±2Hz		
	Output Waveform	Pure Sine Wave		
	Rated Input Voltage (VDC)	12VDC		
	Undervoltage Alarm (VDC)	10.5? .5VDC		
	Low Voltage Off (VDC)	10.0VDC		
Output	Overvoltage Off (VDC)	14.2VDC		
	Efficiency	92%		
	AC 220V Socket	220V / 1A*2PCS		
Accessories	DC 12V	12V / 1A*2PCS		
	USB	5V / 500mA*2PCS		
	Solar Panel Wire	10M*1PCS		
	LED Illuminating Lamp	1.5W*2PCS		
Portable Box Dimension (mm)	USB Charger	Mobile Charger Connection*1PCS		
	Lamp Wire	5M*2PCS		
	Utility Power Charge Adapter	1PCS		
Solar Panel Dimension (mm)		915*670*35 mm	1346*550*35 mm	
Weight (KG)		20 KG	25.5 KG	27.5 KG
<b>DISCHARGE TIME (HOURS)</b>				
Item	Specifications	Lighting Time (Hours)		
LED Lights	1.5W	124	170	195
Electric Fan	DC 12V/30W	6.5	8.5	9.5
TV	AC220V (LCD 32Inch 60W)	3.5	4.5	5