

SUN PRO SOLAR HYBRID UPS

930/12V - 5000/48V **PWM SERIES**

Controlled Battery Charging











70 AMP 70 SOLAR CONTROLLER

75AMP SOLAR CHARGING CONTROLLER



INSTANT CHANGEOVER TIM



24X7 MCB



24X7 PROTECTION DC MCB DOUBLE POLE



MANUAL

TECHNICAL SPECIFICATION

Model	SUNPRO 930	STINERO 1220	SUNPRO 1250	STINDRO 2550	STINERO 3070	SHINDRO 3570	SUNDED 4070	SUMPRO 5070
VA RATING	800VA	1000VA	1025VA	2500VA	2750VA	3250VA	4000VA	5000VA
DC BUS	12V	12V	12V	24V	24V	24V	48V	48V
BULB LOAD in WATT +/- 1%	640W	800W	825W	2000W	2160W	2560W	3200W	4000W
SCC TYPE	600W	600W	900W	1800W	VM 2.2KW	2.5KW	3 36/8/	4KW
MAX PV CONNECTED IN WATT MAX PV CURRENT in AMP	30A	30A	800W 50A	50A	70A	70A	3.2KW 70A	70A
Manins Input mode						70/1		7 071
Mains AC low cut UPS mode				175VAC	± 10VAC			
Mains AC low cut recovery UPS mode					± 10VAC			
Mains AC high cut UPS mode					± 10VAC			
Mains AC high cut recovery UPS mode Mains AC low cut WUPS mode	255VAC ± 10VAC 90VAC ± 10VAC							
Mains AC low cut WOP3 Hode Mains AC low cut recovery WUPS mode	110VAC ± 10VAC							
Mains AC high cut WUPS mode					± 10VAC			
Mains AC high cut recovery WUPS mode	285VAC ± 10VAC							
Input Frequency Range	40Hz to 60Hz Same as input							
Voltage Output in Mains Mode Frequency Output in Mains Mode		Same as input Same as input						
Battery				Same	as mpac			
Battery Type				LA / Tub	ular / SMF			
DC input voltage		12V		24V			48V	
Battery Quantity 12V 100Ah to 220Ah		1 13.7V±0.2V		2			4	
Float charging voltage				27.4 +/- 0.4V			54.8 +/- 0.8V	
Boost charging voltage for Tubular and SMF Battery	14.5V±0.2V			28.0V +/- 0.4V			56.0V +/- 0.8V	
Boost charging voltage for LA Battery	14.0V±0.2V			29.0V +/- 0.4V			58.0V +/- 0.8V	
Battery deep Discharge Recovery			Yes (Indepen	Yes (Independent Charger to Recover Deep Discharge Battery)			JU.UV F/= U.OV	
Battery High Cut	15.0±0.2V			31.0 +/- 0.4V			62.0 +/- 0.8V	
Charging Current 150Ah 220Ah				12A ± 1A 15A ± 1A				
Charging Current 150Ah-220Ah Backup Mode				15/	± 1A			
Output voltage			220	VAC +5% -10% (u	ntill battery low al	arm)		
Output frequency			220		till battery low al			
Output waveform				Pure Sine W	ave ≤ 5% THD			
No Load current					ted capacity			
Low Battery Warning		7V±0.2V			/- 0.4V		44V +/- 0.8V	
Low Battery Cut Change over time UPS mode	10.5V±0.2V				·/- 0.4V Imsec		43.2V +/- 0.8V	
Change over time WUPS mode					msec			
Crest Factor					: 5			
Peak Efficiency				8	6%			
Protections	<u>, </u>							
Overload in backup mode					ontinuously run			
Short Circut in Backup Mode Short Circut in Mains Mode	System will shutdown after 3 - retries in case of output short circuit Mains Fuse Blown							
Backfeed	IVIAITIS	ruse blowii	System will s	hutdown in case	of backfeed and th	ere is no retry		
Over tempature								
		Υı	es provided, if hea				own	
Reverse Battery		Yı		sink tempature g DC fuse v	oes above 100°C S vill belown		own	
Phase to Phase protection in mains mode		Yı		sink tempature g DC fuse v	oes above 100°C S		own	
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Manufactured By: INVERTEK ENERGY SOLUTION PVT. LTD.

Address: GF, Plot No. 445 Kh. NO 9/20, 10/16, Laxmi Vihar, Najafgarh, Near DTC Bus Depot Dichaon Kalan, UER2 Expressway, West Delhi-110043 (INDAI)

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