

SOLAR HYBRID UPS

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

Controlled Battery Charging



















75AMP SOLAR CHARGING CONTROLLER

TECHNICAL SPECIFICATION

Model	SUNDECOS	SUNDEO 4000	SUNDED 4050	SUMBRO AFFA	SUMPRO 2070	SUMPRO SETS	SUNDEO 4070	SUMPRO FOTO
Model VA RATING	SUNPRO 930 800VA	SUNPRO 1230 1000VA	SUNPRO 1250 1025VA	2500VA	2750VA	3250VA	SUNPRO 4070 4000VA	SUNPRO 5070 5000VA
DC BUS	12V 640W	12V 800W	12V 825W	24V 2000W	24V 2160W	24V 2560W	48V 3200W	48V 4000W
BULB LOAD in WATT +/- 1% SCC TYPE	640VV	80000	625VV		VM	256000	3200W	400000
MAX PV CONNECTED IN WATT	600W	600W	800W	1800W	2.2KW	2.5KW	3.2KW	4KW
MAX PV CURRENT in AMP Manins Input mode	30A	30A	50A	50A	70A	70A	70A	70A
Mains AC low cut UPS mode				175VAC	± 10VAC			
Mains AC low cut recovery UPS mode					± 10VAC			
Mains AC high cut UPS mode Mains AC high cut recovery UPS mode					± 10VAC ± 10VAC			
Mains AC low cut WUPS mode	90VAC ± 10VAC							
Mains AC low cut recovery WUPS mode	110VAC ± 10VAC 295VAC ± 10VAC							
Mains AC high cut WUPS mode Mains AC high cut recovery WUPS mode					± 10VAC ± 10VAC			
Input Frequency Range				40Hz t	o 60Hz			
Voltage Output in Mains Mode Frequency Output in Mains Mode					as input as input			
Battery				Same	as iliput			
Battery Type					ular / SMF			
DC input voltage Battery Quantity 12V 100Ah to 220Ah		12V 1		24V			48V 4	
Float charging voltage	13.7V±0.2V			2 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	29.0V +/- 0.4V /es (Independent Charger to Recover Deep Discharge Battery)				
Battery High Cut	15.0±0.2V			31.0 +/- 0.4V			62.0 +/- 0.8V	
Charging Current 100Ah-135Ah Charging Current 150Ah-220Ah	12A ± 1A 15A ± 1A							
Backup Mode								
Output voltage			220		ntill battery low al	arm)		
Output frequency Output waveform					0.2 Hz			
No Load current				Pure Sine Wave ≤ 5% THD ≤ 4% of rated capacity				
Low Battery Warning		7V±0.2V		22V +/- 0.4V			44V +/- 0.8V 43.2V +/- 0.8V	
Low Battery Cut Change over time UPS mode	10.	5V±0.2V		21.6 +/- 0.4V < 10msec			43.2V +/-	0.80
Change over time WUPS mode		< 25msec						
Crest Factor Peak Efficiency					: 5 5%			
Protections				O.	370			
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	iviairis	i use blown	System will s	nutdown in case o	of backfeed and th	ere is no retry		
Over tempature		Ye	s provided, if heat			ystem will shut d	own	
Reverse Battery Phase to Phase protection in mains mode					by electronic			
Solar Charge Controller					,			
Solar Charge Controller type								
Efficiency	> 96%							
	16.00			> 9				
Mains Charging Shairing	If PV	power is not suffic	cient enough to ch	> 9	96%	haring battery ch	arging from PV and	grid.
				> 9 arge the battery, er as per load and	96% system will start s d battery requirem		arging from PV and	
Mains Charging Shairing Load Shairing	Load Shairing is	provided, solar w	ill deliver the pow	> 9 arge the battery, er as per load and Cur	96% system will start s d battery requirem rrent	nent. Solar Current	t = Load Current +	Batter Charging
	Load Shairing is	provided, solar w	ill deliver the pow	> 9 arge the battery, er as per load and Cur	96% system will start s d battery requirem rrent	nent. Solar Current		Batter Charging
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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)