Guangzhou Sunnysky Solar Equipment Co.,Ltd

Off-grid Solar System

Model: TY088

Product Name	Specification	
Solar panel	8000W	- Integrated design, easy install and maintain -LCD display + LED status indicator - Output isolated transformer, safe and stable - Excellent overload capacity,Suitable for all sorts of electrical appliances -Intelligent battery management function - With perfect protect functions
Solar controller	96V100A	
Inverter	96V10KW	
Lead-acid battery	2V400AH*48PCS	

Technical Parameter

Product Name	Specification		Picture
Solar panel	Model No.	TYP250 W(Poly crystalline)	
	Rated Maximum Power	250 W	
	Quantity	32 pcs	
	Maximum Power	Voltage:30 V - Current: 8.33A	
	Open Circuit Voltage(Voc)	36 V	
	Short Circuit Current(Isc)	9.17 A	
	Maximum System Voltage	1000 V	
	Operating Temperature	-40℃～+85℃	
	Standard Test Conditions	1000W/m^2, AM1.5, 25℃	
Lead-acid battery	Nominal Capacity	2V400AH*48 pcs	
Solar controller	Rated Voltage(V)	96 V	
	Maximum charging current(A)	100 A	
	ChargeVoltage(V)	Floating charge: 115.2V Equalizing charge:110.4V	
	Voltage range (V)	86.4-132 V	
	Operating temp.	-40℃～+60℃	
Pure Sine Wave Inverter	Rated power	15KVA	
	DC input voltage range	84-120V	
	AC input Voltage & Frequency	110/220/240V±25% ; 50/6Hz±5%	
	AC output Voltage & Frequency	110/220/240V±10%;50/60Hz±3%	
	Wave form: **Pure sine wave**	THDI: **<5% (linear load)**	
	Power factor: **0.9**	Effeciancy: **>85%**	
	AC charging current (A)	Rated: 10, Max.: 15	
	Max. operating altitude	3000 (>3000m derating)	
	Storage temperature range	-25℃～+70℃	
	Cooling method	Air cooling	
	Operating temperature range (°C)	–20~+50 (>50°C derating)	
	Relative humidity in operation	0~95% (non-condensing)	
	Noise emission [dB (A)]	<55 (at 1 meter)	
	Communication interface	RS232 (optional)	
	Over load capacity	100~125% 10min; 125~150% 1min; 150~200% 5s	
	Complete protections	DC & AC overload, under-voltage, SPD, short-circuit, overcharge, overdischarge, over-temperature	
Accessories	PV cables: 4mm^2*300m; PV brackets; battery box; Manual: 1PC		

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