



Guangzhou Sunnysky Solar Equipment Co.,Ltd

Off-grid Solar System

Model: TY081A

Product Name	Specification	Features
Solar panel	300W	-Integrated design, easy install and maintain
Solar controller	24V20A	-Charging mode: solar panel / AC & DC hybrid
Inverter	24V600W	-Working mode: DC first / AC first
Lead-acid battery	12V100AH*2PCS	-Chinese & English LCD, timing set, working mode set.
		-Query log: malfunction & battery discharge time.
		-With charge mode and working mode indicator light.
		-With perfect protect functions

Technical Parameter

Product Name	Specification	Picture
Solar panel	Model No.	TYP150W(poly crystalline)
	Rated Maximum Power	150W
	Quantity	2 pcs
	Maximum Power	Voltage:36 Vmp - Current: 4.17Imp
	Open Circuit Voltage(Voc)	42.48v
	Short Circuit Current(Isc)	4.58A
	Maximum System Voltage	1000V
	Operating Temperature	-40℃ ~ +85℃
	Standard Test Conditions	1000W/m ² , AM1.5, 25℃
Lead-acid battery	Nominal Capacity	12V100AH*2
Solar controller	Rated Voltage(V)	24V
	Maximum charging current(A)	20A
	Charge Voltage(V)	Floating: 28.8V - Equalizing:27.6V
	Voltage range (V)	21.6-33V
	Operating temp.	-40℃ ~ +60℃
Inverter	Rated power	600W
	DC input voltage range	21-30V
	AC input Voltage & Frequency	110/220/240V±25% - 50/60HZ ±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	Effeciency: >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 (℃)	-20~+50 (>50℃ 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 * 30m; PV brackets & Other accessories; Manual: 1PC	



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