

**Off-grid Solar Power System**

Model	TY080D	
Name of parts	Specification	Features
Solar panel	150W	-Integrated design, easy install and maintain -Switch mode: manual & remote control -Power box: wall mounting & horizontal -Two working mode: AC & DC -Safety and stable power supply -Intelligent battery management, high-frequency pure sine wave output - Fault indicator light display ,With perfect protect functions
Solar controller	12V20A	
Inverter	12V500W	
Lead-acid battery	12V200AH (GEL)	
Led light	5W*4PCS	

Technical parameter		
Name of parts	Specification	Picture
Solar panel	Model No.	TYP100W(poly crystalline)
	Rated Maximum Power	100W
	Quantity(pcs)	2 pcs
	Maximum Power	Voltage:18Vmp - Current: 5.56Imp
	Open Circuit Voltage(Voc)	21.24V
	Short Circuit Current(Isc)	6.11A
	Maximum System Voltage	1000V
	Operating Temperature	-40℃~+85℃
Lead-acid battery	Standard Test Conditions	1000W/m <sup>2</sup> , AM1.5, 25℃
	Nominal Capacity	12V100AH
	Size	522*240*218MM
Solar controller	Weigh	61.5KG
	Rated Voltage(V)	12V
	Maximum charging current(A)	20A
	ChargeVoltage(V)	Floating charge: 14.4V Equalizing charge: 13.8V
	Voltage range (V)	11-16.5V
Inverter	Operating temp.	-40℃~+60℃
	Continuous power	500W
	Peak power	1000W
	AC output Voltage & Frequency	110/220/240V ±10% ;50Hz ± 2%
	Wave form	Pure Sine Wave
	Input:DC 12V	Working Voltage:11V -15V
	Efficiency :>93%	Overload Protection:500-600W
	Thermal protection:≥60℃	Cooling method:By fan
	DC Low-voltage Alarm:9.5-11V	Fuse :20A*2
	DC Low-voltage Protection:9-10.5V	DC Over-voltage Protection:≥15V
Accessories	Green Led Indicator	Green Light(Working),Flash(Overload Protection)
	Red LED Indicator	Red Light(Error Protection)
Accessories	PV cables:10m; 5m Lamp holder &lamp wire*4PCS; PV brackets &Other accessories; Manual: 1pc	



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