

XTG series Solar Generator

Feature

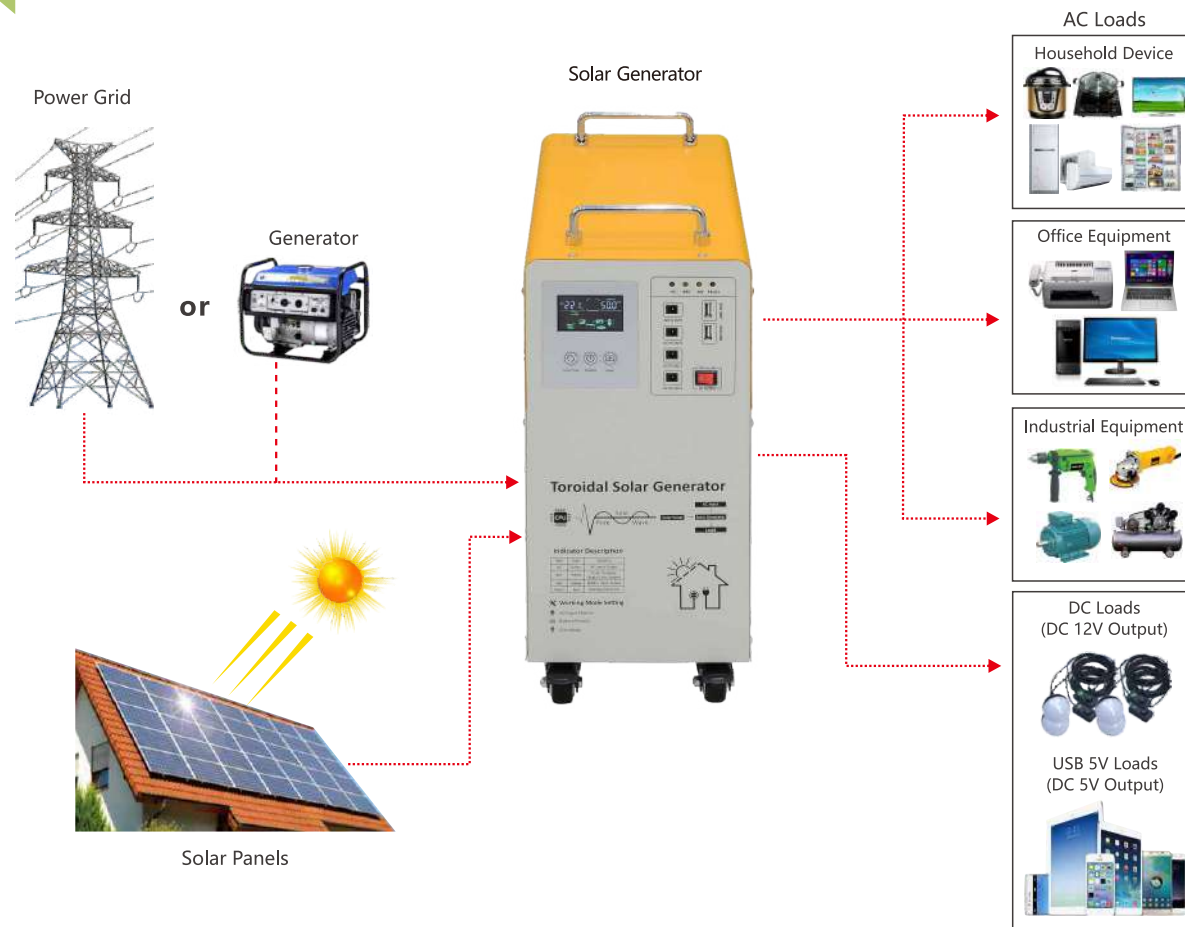
- DSP Intelligent control chipset.
- 3 times peak power, excellent loading capability.
- Combine inverter/solar controller/battery all in one.
- Multiple output: 2*AC output socket, 4*DC 12V, 2*USB.
- Working mode AC prior/ECO mode/Solar prior selectable.
- AC charging current 0-30A selectable.
- Adding fault code to monitor real-time work situations.
- Continuous stable pure sine wave output with inbuilt AVR stabilizer.
- Digital LCD and LED for visualization of operation status of the equipment.
- Built in mains bypass regulator and Mains Charger.



Application Area

- Office equipment: desktop or tablet PC, printer, surveillance camera, etc;
- Household: TV sets, fans, rice cookers, lights and other appliances; GPS, DVD, audio and other equipment;
- Outdoors: field camping, vehicle power, emergency relief, business promotion, night market stall and so on.

System Application Diagram



Technical Parameters

Model: XTG		301P	501P/W	102P/W
Capacity	Rated power	300W	500W	1000W
	Peak power (20ms)	900VA	1500VA	3000VA
Input	Standard battery voltage	12VDC	12VDC	24VDC
	AC input voltage range	73~138VAC(110VAC) / 83~148VAC(120VAC) / 145~275VAC(220VAC)/155~285VAC(230VAC)/165~295VAC(240VAC)		
	AC input frequency range	45Hz~55Hz (50Hz);55Hz~65Hz (60Hz)		
Output	Conversion efficiency	≥85%(Battery mode); >99%(AC mode)		
	AC Output voltage	110VAC±2% / 120VAC±2% / 220VAC±2% / 230VAC±2% / 240VAC±2%(Battery mode); 110VAC±10% / 120VAC±10% / 220VAC±10% / 230VAC±10% / 240VAC±10%(AC mode)		
	AC Output frequency	50/60Hz±1%(Battery mode); Tracking Automatically(AC mode)		
	AC Output waveform	Pure Sine Wave		
	THD	≤3% (Linear load)		
	DC Output voltage	4*DC 12V; 2*USB (5V)		
	AC charger	AC charging current	0~30A(Depends on model)	
AC charging method		Three-stage(constant current, constant voltage, floating charge)		
solar charger (Optional)	Charging mode	PWM	PWM/MPPT	
	Max PV Input Voltage(Voc) (At the lowest temperature)	PWM: 50V; MPPT: 150V		
	PV input voltage range	15V~44V	PWM: 15V~44V; MPPT: 15V~120V	PWM: 30V~44V; MPPT: 30V~120V
	Charge & discharge current	20A	20A	40A
	Max PV input power	280W	280W	1120W
Inbuilt battery	Capacity	1*100AH		2*100AH
	Battery size(LxWxH)/pcs	407*174*210 (240)		
Other	Transfer time	≤4ms		
	Protection	With over-voltage, low-voltage, overload, short circuit, high temperature protections		
	Display	LCD & LED		
Working mode (selectable)	d1	AC priority mode		
	d2	ECO mode		
	d3	Solar priority mode		
Work environment	Operating temperature	-10°C~40°C		
	Storage temperature	-15°C~60°C		
	Elevation	2000m (More than derating)		
	Humidity	0%~95%, No condensation		
Physical	Dimension L x W x H(mm)	465*210*495		465*210*775
	Net weight(kg) (without battery)	13	15	21
Packing	Dimension L x W x H(mm)	535*270*620		535*270*890
	Gross weight(kg) (without battery)	20	22	31
	Quantity/CTN	1pcs per wooden case		

Note: 1. All specifications are subject to change without prior notice.