

TYN Solar Generator

Feature

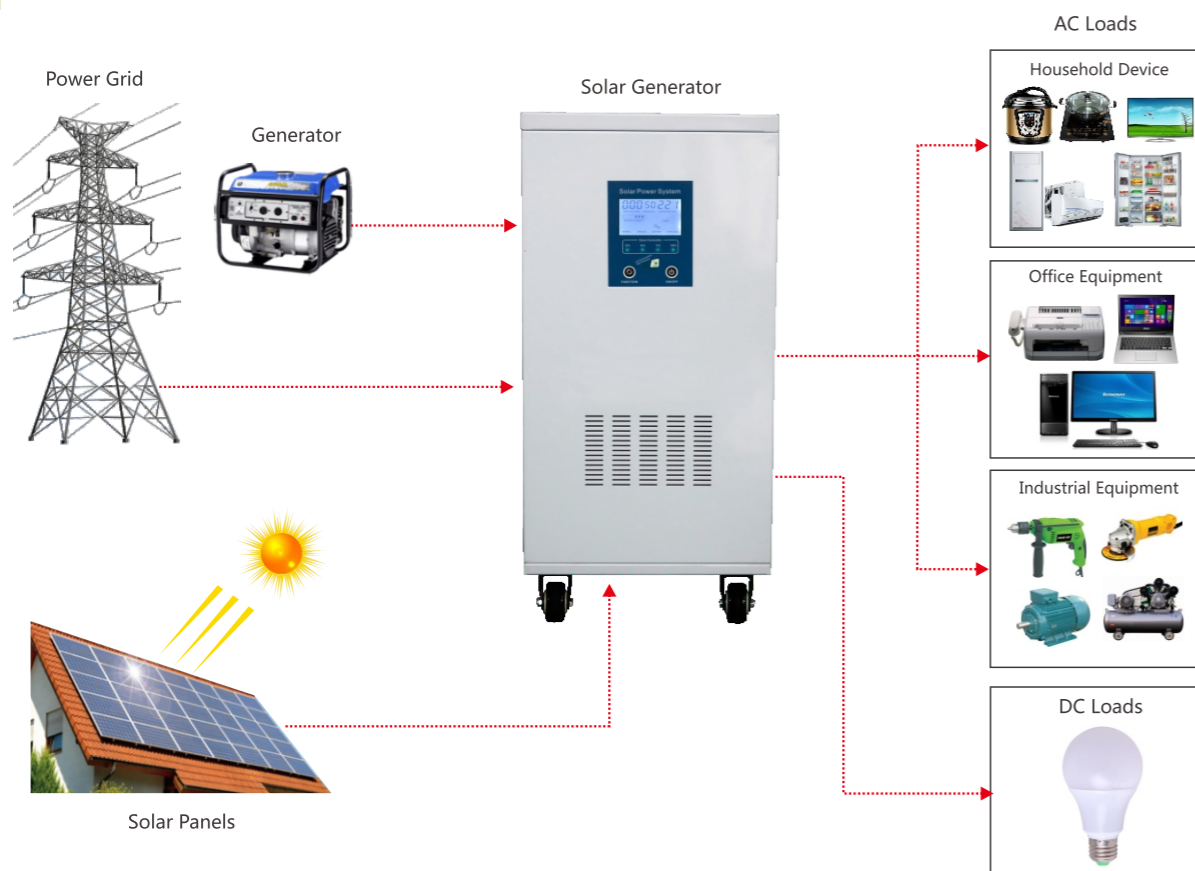
- Pure sine wave output;
- AVR function, AC charge;
- LCD integration display;
- AC first and battery first optional;
- Inverter, controller and battery are all in one cabinet;
- Protection: Low voltage, over voltage, short circuit, over load and over temperature etc.



Application Area

- Office and public facilities, household system, network transmission equipment, manufacturing, control system, solar energy system, oil field, drilling field operation, etc.
- Provide stable, reliable and safe solutions for families, islands, ships and other small photovoltaic power systems

System Application Diagram



Technical Parameters

Model: TYN		35112	50112	35112	50112	10212	35124	50124	10224
Rated Power		350W	500W	350W	500W	1000W	350W	500W	1000W
Battery Voltage		12VDC		12VDC		24VDC			
Inside battery capacity		100Ah*1		200Ah*1		100Ah*2			
Size(L*W*Hmm)		455*270*510		600*300*495		580*300*625			
Package Size(L*W*Hmm)		530*345*635		660*360*620		655*375*750			
N.W.(kg) Without battery		18	19	23	27	30	29	31	36
G.W.(kg) Without battery Carton packing		20	21	26	30	33	32	34	39
Model: TYN		20224		30248/96		50248/96		60248/96	
Rated Power		2000W		3000W		5000W		6000W	
Battery Voltage		24VDC				48/96VDC			
Inside battery capacity		200Ah*2				200Ah*4 / 100Ah*8			
Size(L*W*Hmm)		600*300*860				742*520*1080			
Package Size(L*W*Hmm)		675*375*985				780*620*1400			
N.W.(kg) Without battery		46		83		95		97	
G.W.(kg) Without battery Wooden Packing		57		101		113		115	
Input	DC Input Voltage Range	10.5-15VDC(Single battery voltage)							
	AC Input Voltage Range	73VAC~138VAC / 145VAC~275VAC							
	AC Input Frequency Range	45Hz~65Hz							
Output	Efficiency	≥85%							
	Output Voltage(Battery Mode)	110VAC±2% / 220VAC±2%							
	Output Frequency(Battery Mode)	50/60Hz ±1%							
	Output Wave(Battery Mode)	Pure Sine wave							
	AC Output Voltage Range	110VAC±10% / 220VAC±10%							
	AC Output Frequency Range	Tracking Automatically							
	THD	≤3%							
Inside Solar controller (Optional)	Charging Mode	MPPT or PWM							
	Charging Current	12V/24V/48V System:10A/20A/30A/40A/50A/60A; 96V System:50A / 100A							
	PV Input Voltage Range	12V System: 15V-44V; 24V System: 30V-44V; 48V System: 60V-88V; 96V System: 120V-176V							
	Max PV Input Voltage (At 25°C)	12V/24 System: 50V; 48V System: 100V ; 96V System: 200V							
PV Array Maximum Power	12V System: 140W / 280W / 420W / 560W / 700W / 840W; 24V System: 280W / 560W / 840W / 1120W / 1400W / 1680W; 48V System: 560W / 1120W / 1680W / 2240W / 2800W / 3360W 96V System: 5.6KW / 11.2KW								
Protection	Low voltage alarm	11V±0.3VDC/ (Single battery)							
	Low voltage protection	10.5V±0.3VDC/ (Single battery)							
	Battery high voltage alarm	17V±0.5VDC/ (Single battery)							
	Battery high voltage protection	15~16VDC/ (Single battery)							
	Over load protection	Overload exceeds 110% , automatic shutdown in 30 secs ; Overload exceeds 120% , automatic shutdown in 2 secs							
	Short circuit protection	Short circuit, auto shut down							
Temperature protection	High temperature, auto shut down								
Working Mode	Battery First/AC First/Saving Energy Mode								
AC Charging current	Max 15A								
Transfer Time	≤4ms								
Display	LCD								
Thermal method	Cooling fan in intelligent control								
Communication	RS232(Optional)								
Environment	Temperature	-10°C~40°C							
	Noiset	≤55dB							
	Humidity	0%~95%(No condensation)							

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.