

# GEN series Solar generator

## Feature

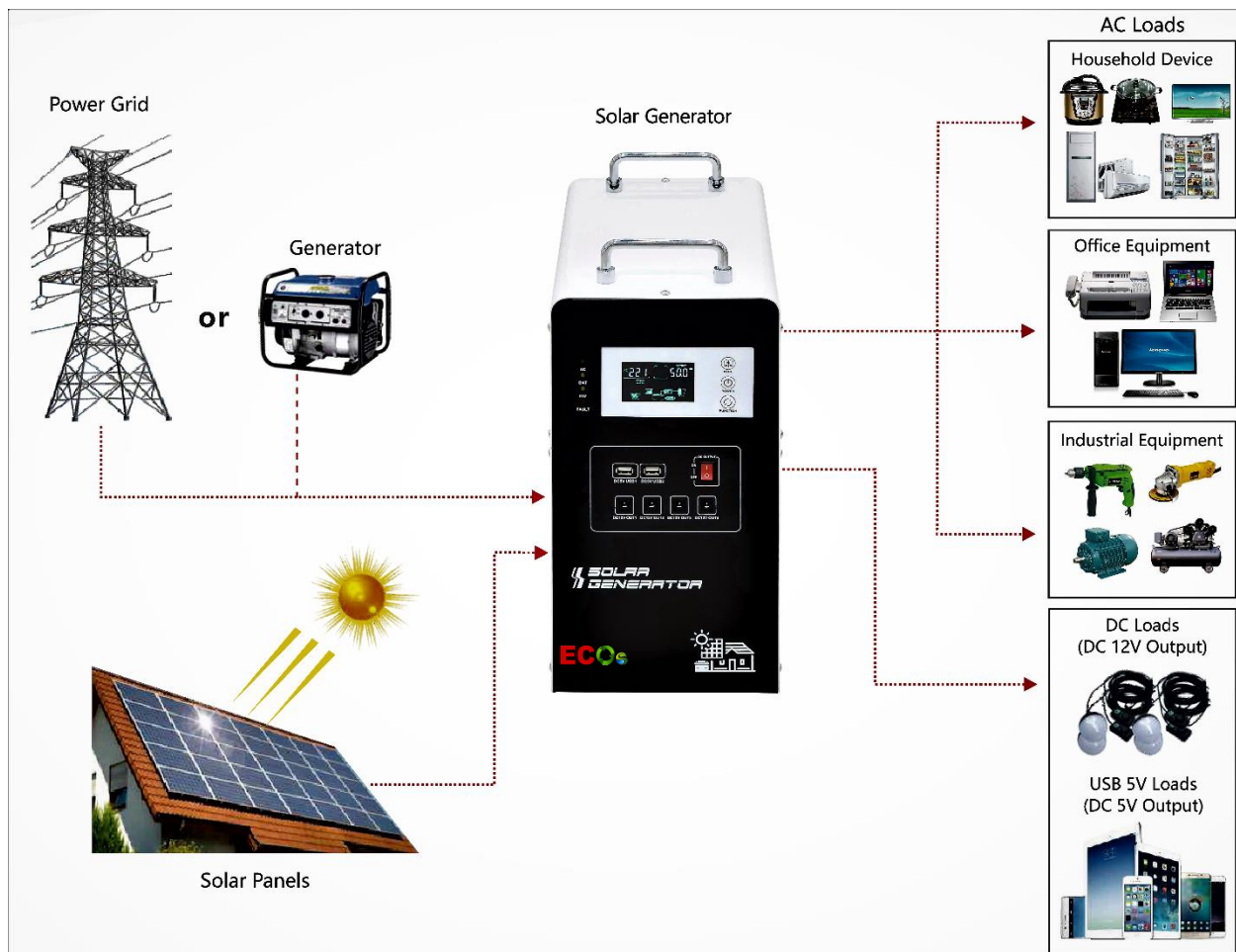
- 3 times peak power, excellent loading capability.
- Combine inverter/solar controller/battery all in one.
- Multiple output: 2\*AC output socket, 4\*DC 12V, 2\*USB.
- Working mode AC prior/ECO mode/Solar prior selectable.
- AC charging current 0-10A selectable.
- LVD/HVD/Charging voltage adjustable, suitable for kinds of battery.
- 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.
- Inbuilt automatic AC charger and AC mains switcher, switch time s 4ms.



## Application area

- Office equipment: desktop or table 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 parameter

Model		EG5BP	EG8BP	EG15BP	EG20BP	EG25BP	EG36BP	EG50BP	EG65BP	EG80BP	EG90BP
Capacity	Rated power	300W	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W	7000W
	Peak power (20ms)	900VA	1500VA	3000VA	4500VA	6000VA	9000VA	12KVA	15KVA	18KVA	21KVA
Input	Standard battery voltage	12VDC			24VDC			48VDC			
	AC input voltage range	73-138VAC(110VAC) / 83-148VAC(120VAC) / 145-275VAC(220VAC) / 155-285VAC(230VAC) / 165-295VAC(240VAC)			85VAC-138VAC (110VAC) / 95VAC-148VAC (120VAC) / 170VAC-275VAC (220VAC) / 180VAC – 285VAC (230VAC) / 190VAC – 295VAC (240VAC)						
	AC 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)				4*DC 12V; 4*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						
Battery capacity (optional)	Capacity	1*40AH		1*100AH		2*100AH			4*100AH		
	Battery size (L*W*H)/ pcs	229*138*210(228)		407*174*210(240)		522*240*218 (244)					
Other	Transfer time	≤4ms									
	Protection	With over-voltage, low-voltage, overload, short circuit, high temperature protections									
	Display	LCD & LED									
	Cooling way	Cooling fan intelligent control									
	Communication (optional)	RA485/APP (Wifi monitoring or GPRS monitoring) (Models below 1000W (including 1000W) are not support)									
Working mode (selectable)	d1	AC priority mode									
	d2	ECO mode									
	d3	Solar priority mode									
Work environment	Operating temperature	-10°C ~ 40°C									
	Elevation	2000m (More than derating)									
	Humidity	0% ~ 95%, No condensation									
Physical	Dimension L*W*H (mm)	358*192*390		488*232*450		560*350*928			610*585*960		
	Net weight (kg) (without battery)	8	10	16	37	39	43	60.5	62	64	66
Packing	Dimension L*W*H (mm)	400*252*500		550*295*625		638*427*1063			688*612*1093		
	Gross weight (kg) (without battery)	12	14	24	60	62	66	95.5	97	99	101

Note: 1. All specifications are subject to change without prior notice.  
2. Battery capacity can be changed according to usage needs.