

EP3000 LV Series Low Frequency Power Inverter

Feature:

- Rated power 1kw to 4kw
- Pure sine wave output
- 3 times surge power
- Wide frequency 40Hz-80Hz
- Overload and short circuit protection
- Built-in pure copper UI transformer
- Smart battery charger designed for optimized battery performance
- Cold start function
- Support RS232 monitoring function with free CD
- Support BTS and AGS function
- DIP Switch offer customized performance
- Remote Control Panel (optional)
- Solar priority function
- Compatible to generator

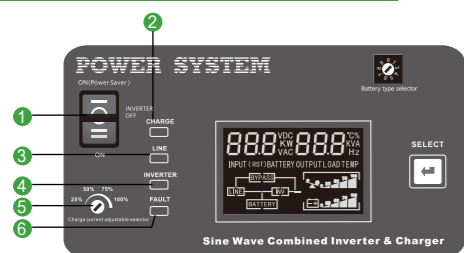
Back Panel



Introduction:

EP3000 Pro series is a very economical pure sine wave inverter with AC charger from 35A to 70A. Solar /AC priority configurable. When solar priority, When solar charging current is lower than utility, the AC will supply to charge batteries, to optimize charging the. With pure copper transformer inside, which let it be suitable for all kinds of home appliance.

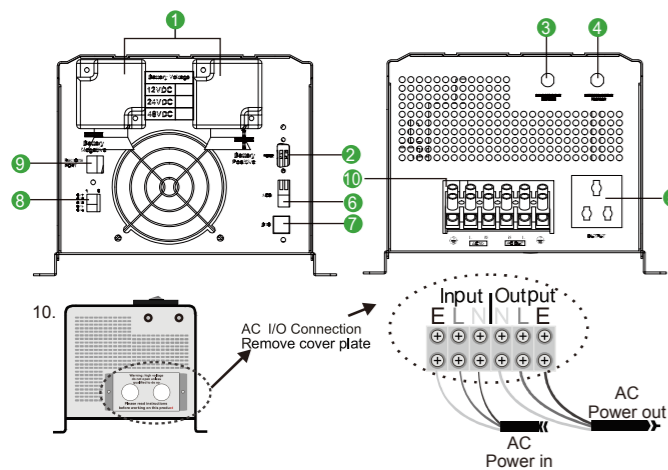
LCD/LED Display Information



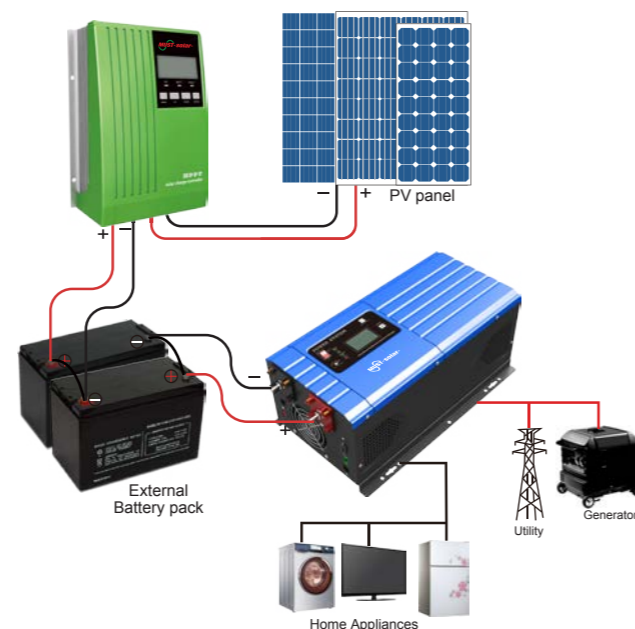
1. Switch	ON(Power Saver): Power on with saver mode(power saver ≦ 25W)
	INVERTER OFF: Power totally off(If there is AC power,inverter have charger function)
	ON: Power on without saver mode

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|-----------------|---|
| 2. AC Charge | 4. Inverter mode |
| 3. AC power on | 5. Check inverter |
| | 6. Charge current adjustable:25%,50%,75%,100%.(Optional) |

Solar System Connection



- | | |
|-----------------------------|-------------------------|
| 1. Battery input | 6. AGS |
| 2. RS232 communication port | 7. BTS |
| 3. Charger Input Protect | 8. DIP Switch (SW1-SW5) |
| 4. Inverter Output Protect | 9. Remote control |
| 5. Output 10A MAX | |



Specification

MODEL	EP30-1012 LV	EP30-1024 LV	EP30-1512 LV	EP30-1524 LV	EP30-2012 LV	EP30-2024 LV	EP30-3012LV	EP30-3024 LV	EP30-3048 LV	EP30-4024 LV	EP30-4048 LV	
Nominal Battery System Voltage	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	48VDC	24VDC	48VDC	
INVERTER OUTPUT	Rated Power	1.0KW	1.5KW	2KW	3KW	4KW						
	Surge Rating (20ms)	3.0KW	4.5KW	6.0KW	9.0KW	12KW						
	Capable Of Starting Electric Motor	1HP			2HP							
	Waveform	Pure sine wave/ same as input (bypass mode)										
	Nominal Output Voltage RMS	100V/110V/120VAC (±10% RMS)										
	Output Frequency	50Hz/60Hz±0.3 Hz										
	Inverter Efficiency(Peak)	>88%										
AC INPUT	Line Mode Efficiency	>95%										
	Power Factor	1.0										
	Typical Transfer Time	10ms(max)										
	Voltage	120VAC										
	Selectable Voltage Range	80~135VAC(For Personal Computers)										
BATTERY	Frequency Range	50Hz/60Hz (Auto sensing) 40~80Hz										
	Minimum Start Voltage	10.0VDC /10.5VDC for12VDC mode (*2 for 24VDC, *4 for 48VDC)										
	Low Battery Alarm	10.5VDC ±0.3V for12VDC mode (*2 for 24VDC, *4 for 48VDC)										
	Low Battery Cut off	10.0VDC ±0.3V for12VDC mode (*2 for 24VDC, *4 for 48VDC)										
	High Voltage Alarm	16.0VDC ±0.3V for12VDC mode (*2 for 24VDC, *4 for 48VDC)										
	High Battery Voltage Recover	15.5VDC ±0.3V for12VDC mode V										
	Idle Consumption-Search Mode	<25W when power saver on										
CHARGER	Output Voltage	Depends on battery type										
	Charger AC Input Breaker Rating	10A	30A				40A					
	Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)										
	Maximum Charge Current	35A	20A	45A	25A	35A	75A	45A	30A	65A	35A	
BYPASS & PROTECTION	Input Voltage Waveform	Sine wave (grid or generator)										
	Nominal Input Frequency	50Hz or 60Hz										
	Overload Protection (SMPS Load)	Circuit breaker										
	Output Short Circuit Protection	Circuit breaker										
	Bypass Breaker Rating	10A	30A				40A					
MECHANICAL SPECIFICATIONS	Max Bypass Current	30Amp										
	Mounting	Wall Mount										
	Dimensions (W*H*D)	426*206*178 mm										601*206*178mm
OTHER	Net Weight (Solar CHG) kg	16.5	17	21.1	20	26	24.5	24.8	38.2	35.8		
	Shipping Dimensions(W*H*D)	750*335*300mm										
	Shipping Weight (Solar CHG) kg	19.3	20	24.1	22.8	29.1	27.5	27.5	42.3	40		
	Operation Temperature Range	0°C to 40°C										
Storage Temperature	-15°C to 60°C											
Audible Noise	60dB MAX											
Display	LED+LCD											
Standard Warranty	1 year											

* Product specifications are subject to change without further notice.

Approximate Back-up Time Table

Power Rate(w)	backup time(H) @1*100Ah	backup time(H) @2*100Ah	backup time(H) @4*100Ah	backup time(H) @4*200Ah	backup time(H) @8*200Ah
1000	0.4806	1.602	3.50304	7.6896	
2000	0.2136	0.4806	1.602	3.50304	7.6896
3000	0.1068	0.2848	0.8544	2.136	4.8416
4000		0.2136	0.4806	1.602	3.50304