

EP3000 Pro Series Low Frequency Pure Sine Wave Inverter

Feature:

- Pure sine wave output
- Rated power 1kw to 6kw
- 3 times surge power
- Wide frequency 40Hz -80Hz
- Compatible to generator
- Overload & short circuit protection
- Smart battery charger designed for optimized battery performance
- Cold start function

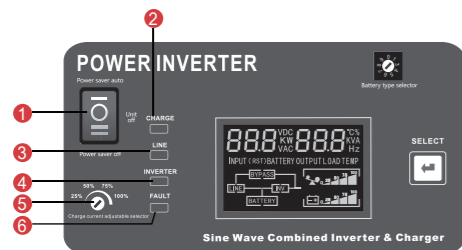
Back Panel



Introduction:

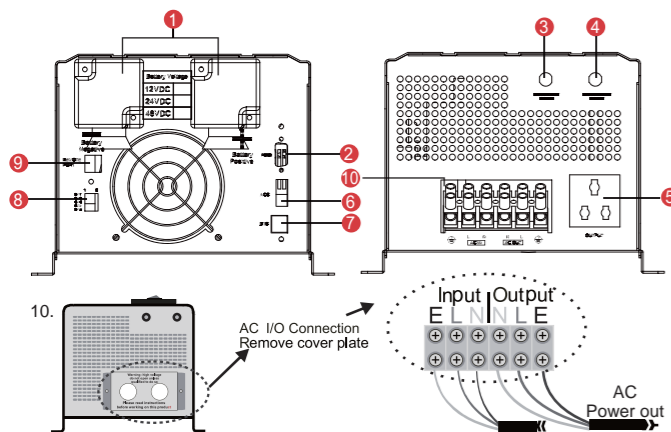
EP3000 Pro series is a very economical pure sine wave inverter with AC charger from 35A to 70A .Solar /AC priority configurable . When solar priority , when its charging current is lower than that of AC , AC will supplement to charge the batteries , to optimize charging. With low frequency transformer ,it enable the inverter to operate with all kinds of home appliances.

LCD/LED Display Information

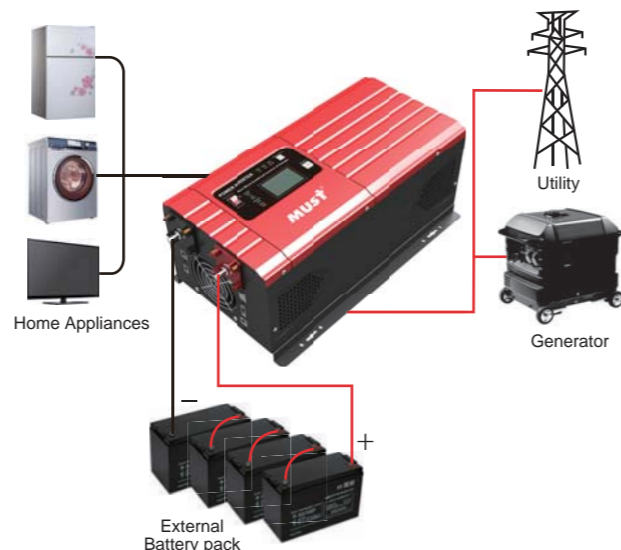


1. Switch	Power saver auto: Power on with saver mode(power saver ≤25W) Unit Off: Power totally off(If there is AC power,inverter have charger function) Power saver off: Power on without saver mode
2. AC Charge Indicator	
3. AC power Indicator	
4. Inverter Indicator	
5. Check inverter	
6. Charge current adjustable:25%,50%, 75%,100%.(Optional)	

Inverter Connection



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



Specification

MODEL	EP30-1KW PRO	EP30-1.5KW PRO	EP30-2KW PRO	EP30-3KW PRO	EP30-4KW PRO	EP30-5KW PRO	EP30-6KW PRO									
Default Battery System Voltage	12VDC 24VDC	12VDC 24VDC	12VDC 24VDC	12VDC 24VDC	12VDC 24VDC	24VDC 48VDC	24VDC 48VDC									
INVERTER OUTPUT	Rated Power	1.0KW	1.5KW	2KW	3KW	4KW	5KW									
	Surge Rating (20ms)	3.0KVA	4.5KVA	6.0KVA	9.0KVA	12KVA	15KVA									
	Capable Of Starting Electric Motor	1HP	1HP	1HP	2HP	3HP	3HP									
	Waveform	Pure sine wave/ same as input (bypass mode)														
	Nominal Output Voltage RMS	100V/110V/120VAC				220V/230V/240VAC(±10% RMS)		220V/230V/240VAC(±10% RMS)								
	Output Frequency	50Hz/60Hz±0.3 Hz														
	Inverter Efficiency(Peak)	>88%														
	Line Mode Efficiency	>95%														
AC INPUT	Power Factor	1.0														
	Typical Transfer Time	10ms(max)														
	Voltage	230VAC														
BATTERY	Selectable Voltage Range	96~132VAC 155~280VAC(For Personal Computers)														
	Frequency Range	50Hz/60Hz (Auto sensing) 40~80Hz														
CHARGER	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														
CHARGER & PROTECTION	Idle Consumption-Search Mode	<25W when power saver on														
	Output Voltage	Depends on battery type														
	Charger AC Input Breaker Rating	10A	30A	30A	30A	40A	40A									
	Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)														
MECHANICAL SPECIFICATIONS	Maximum Charge Current	35A	20A	45A	25A	65A	35A	75A	45A	30A	65A	35A	70A	40A	75A	50A
	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														
OTHER	Bypass Breaker Rating	10A	30A	30A	30A	30A	40A									
	Max Bypass Current	30Amp														
	Mounting															
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D)	426*206*178 mm						601*206*178mm								
	Net Weight (Solar CHG) kg	16.5	17	21.1	20	26	24.5	24.8	38.2	35.8	45.2	45	45.2	45		
	Shipping Dimensions(W*H*D)	570*335*300mm						750*335*300mm								
	Shipping Weight (Solar CHG) kg	19.3	20	24.1	22.8	29.1	27.5	27.5	42.3	40	49.5	49.3	49.5	49.3		
OTHER	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
5000		0.12816	0.34176	1.19616	2.73408
6000		0.1068	0.2848	0.8544	2.136