

LOW FREQUENCY PURE SINE WAVE INVERTER

EP3000 PRO SERIES

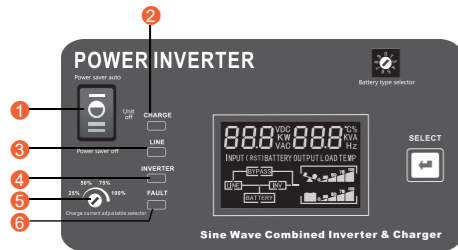


- Pure sine wave output
- Rated power 1kw to 6kw
- 3 times surge power
- Wide frequency 40Hz -80Hz
- Compatible to generator power
- Overload & short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

INTRODUCTION

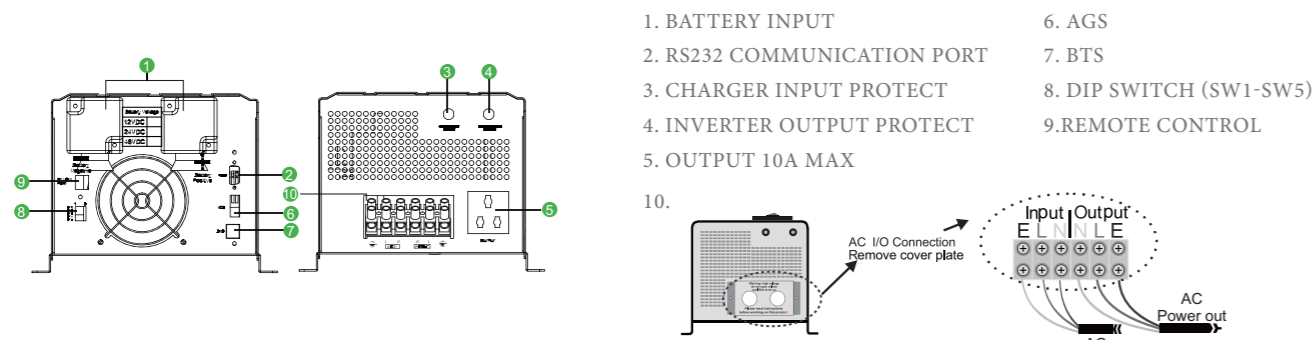
EP3000 Pro series is very economical pure sine wave inverter , and AC charger from 35A to 70A .Solar /AC priority configurable When solar priority , in case its charge current lower than inverter's charger from AC , AC will supplement to charge the batteries, to optimize charging. With low frequency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

LCD DISPLAY INFORMATION



- AC CHARGE INDICATOR
- AC POWER INDICATOR
- INVERTER INDICATOR
- CHECK INVERTER
- CHARGE CURRENT ADJUSTABLE:25%,50%,75%,100%

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



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 48VDC	24VDC 48VDC	24VDC 48VDC	24VDC 48VDC							
INVERTER OUTPUT	Rated Power	1.0KW	1.5KW	2KW	3KW	4KW	5KW 6KW							
	Surge Rating (20ms)	3.0KVA	4.5KVA	6.0KVA	9.0KVA	12KVA	15KVA 18KVA							
	Capable Of Starting Electric Motor	1HP	1HP	1HP	2HP		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%												
Power Factor	1.0													
Typical Transfer Time	10ms(max)													
AC INPUT	Voltage	230VAC												
	Selectable Voltage Range	96~132VAC 155~280VAC(For Personal Computers)												
	Frequency Range	50Hz/60Hz (Auto sensing) 40~80Hz												
BATTERY	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 Cutoff	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	30A	30A	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	65A	35A	75A 50A						
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	30A	30A	30A	40A							
	Max Bypass Current	30Amp												
MECHANICAL SPECIFICATIONS	Mounting													
	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