EP3000 Series (8~12KW)

Low Frequency Pure Sine Wave Inverter

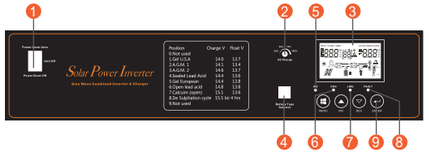
Feature:

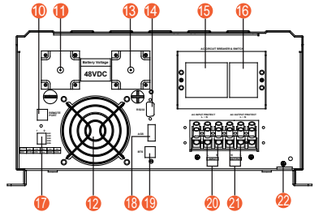
- Rated Power 8KW to 12KW
- Pure sine wave output
- Max 100A automatic 3-stage battery charger
- Charge current is Adjustable(25% ,50% ,75%, 100%)
- Built-in pure copper UI transformer
- Automatically send signal to start generator
- DC Start & Automatic Self-Diagnostic Function
- Supporting RS485 communication and BTS & AGS Port
- Battery/AC priority(optional)

Introduction:

Low frequency pure sine wave combined inverter & charger EP3000 Series 8-12kw:Quiet, high efficiency operation Front panel LED+ LCD indicators and adjustable switch selectors Selectable settings for flooded lead acid, gel, or absorbed glass mat (AGM) batteries.Mainly for home and office appliance such as TV,refrigerator,fan,lights,computer etc.

LCD Display Information





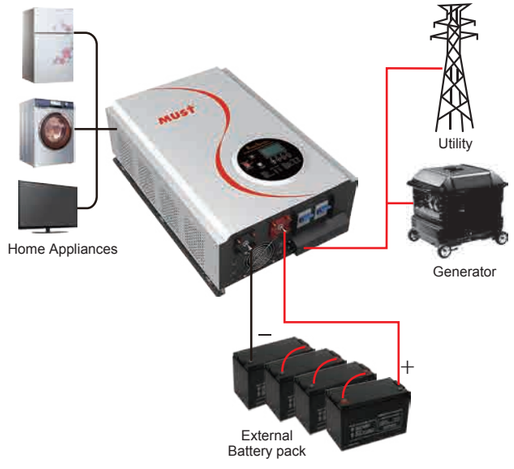
8-12KW

1. Power saver on/off switch
2. AC Charger current Setting
3. LCD display
4. Battery Voltage Setting
5. Inverter indicator
6. Charging indicator
7. Grid indicator

8. Fault indicator
9. Function
10. Remote port
11. BAT"-"
12. FAN
13. BAT"+"
14. RS485/CAN communication port
15. AC input/Bypass breaker
16. AC output breaker

17. Function Switch(SW1-SW5)
18. AGS
19. BTS
20. AC input
21. AC output
22. Ground

Inverter Connection



Back Panel

Specification

MODEL		EP30-8KW	EP30-10KW	EP30-12KW
Nominal Battery System Voltage		48VDC	48VDC	48VDC
INVERTER OUTPUT	Continuous output power	8.0KW	10.0KW	12.0KW
	Surge rating (20ms)	24.0KW	30.0KW	36.0KW
	Capable Of Starting Electric Motor	4HP	5HP	6HP
	Output waveform	Pure sine wave/ same as input (bypass mode)		
	Inverter Efficiency(Peak)	>88%		
	Line mode efficiency	>95%		
	Power factor	1.0		
	Nominal output voltage RMS	220V/230V/240VAC(+/-10% RMS)		
	Output frequency	50Hz/60Hz +/-0.3 Hz		
	Short circuit protection	Yes (1sec after fault)		
	Typical transfer time	10ms(max)		
AC INPUT	Voltage	230VAC		
	Selectable Voltage Range	155~280VAC(For Personal Computers)		
	Frequency Range	50HZ/60HZ (Auto sensing) 40~80Hz		
BATTERY	Minimum start voltage	20.0VDC/21.0VDC for24VDC mode (40.0VDC/42.0VDC for 48VDC mode)		
	Low battery alarm	21.0VDC+/-0.3V for 24VDC mode (42.0VDC+/-0.6V for 48VDC mode)		
	Low battery Cutoff	20.0VDC+/-0.3V for 24VDC mode (40.0VDC+/-0.6V for 48VDC mode)		
	High voltage alarm	32.0VDC+/-0.3V for 24VDC mode (64.0VDC+/-0.6V for 48VDC mode)		
	High battery voltage recover	31.0VDC+/-0.3V for 24VDC mode (62.0VDC+/-0.6V for 48VDC mode)		
	Idle consumption-search mode	<35W when power saver on		
CHARGER	Output voltage	Depends on battery type		
	Charger AC input breaker rating	40A	50A	63A
	Max charge power rate	1/3 Rating power		
	Overcharge protection S.D.	62.8VDC		
	Maximum Charge Current	70A	80A	100A
BTS	Temperature rate @25°C	4mv charging voltage descent, per 1°C rise		
BYPASS & PROTECTION	Input voltage waveform	Sine wave (grid or generator)		
	Nominal voltage	220V/230V/240VAC		
	Max input AC voltage	300VAC for 230VAC HV mode		
	Nominal input frequency	50Hz or 60Hz		
	Overload protection (SMPS load)	Circuit breaker		
	Output short circuit protection	Circuit breaker		
	Bypass breaker rating	80A		
	Max bypass current	80Amp		
MECHANICAL SPECIFICATIONS	Mounting	Wall mount		
	Inverter dimensions (W*H*D)	670*410*215mm		
	Inverter weight (solar chg) KG	67.5	74	74
	Shipping dimensions(W*H*D)	802*533*429.5mm		
	Shipping weight (solar chg) KG	87	93.5	93.5
OTHER	Operation Temperature Range	0°C to 40°C		
	Storage Temperature	-15°C to 60°C		
	Audible Noise	60dB MAX		
	Display	LED+LCD		
	Loading(20GP/40GP/40HQ)	200pcs / 400pcs / 500pcs		

*** Product specifications are subject to change without further notice.**

Approximate Back-up Time Table

Power Rate(w)	backup time(H) @4*100Ah	backup time(H) @4*200Ah	backup time(H) @8*200Ah
8000	0.1922	0.8408	1.4
10000	0.1367	0.4784	1.0936
12000	0.1392	0.3417	0.8544