

# Low Frequency Pure Sine Wave Inverter

## EP3000 PRO Series (8KW/10KW/12KW)



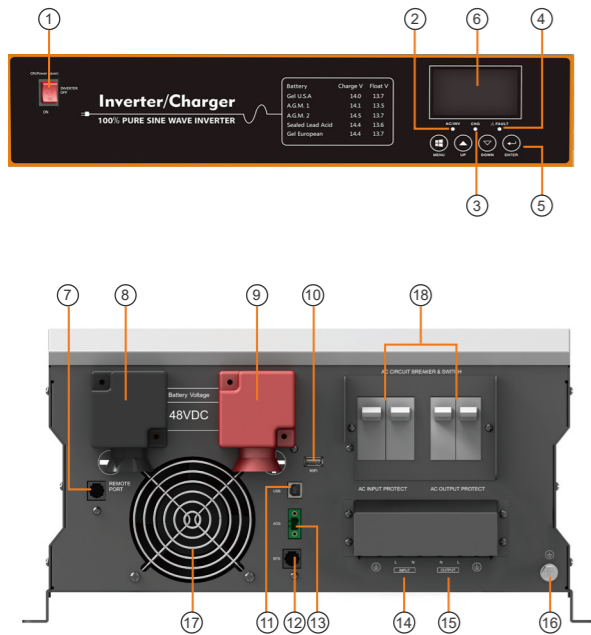
### Features

- Rated power 8KW to 12KW
- Pure sine wave output
- Max 140A automatic 3-stage battery charger
- Charger current is Adjustable (0-100%)
- Automatically send signal to start generator
- Supporting USB communication and BTS & AGS port
- Battery/AC priority

### Introduction

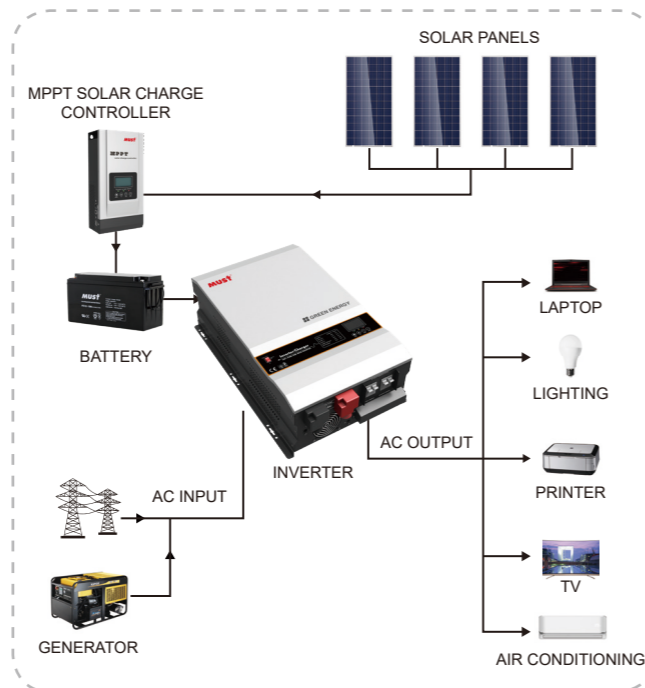
Low frequency pure sine wave combined inverter&A/C charger EP3000 PRO Series 8 -12kw; Quiet,high efficiency operation front panel LED+LCD indicators and adjustable switch selectors selectable settings for flooded lead acid,Gel,or absorbed glass mat(AGM) batteries. Mainly for home and office appliances such as TV, refrigerator, fans lights and computers etc.

### Back panel printing description



- |                              |                            |                            |
|------------------------------|----------------------------|----------------------------|
| 1. Power saver on/off switch | 8. BAT-                    | 15.AC output               |
| 2. Inverter indicator        | 9. BAT+                    | 16.Ground                  |
| 3. Grid indicator            | 10.WIFI Communication port | 17.FAN                     |
| 4. Fault indicator           | 11.USB Communication port  | 18.AC input/output breaker |
| 5. Function                  | 12.BTS Communication port  |                            |
| 6. LCD display               | 13.AGS Communication port  |                            |
| 7. Remote panel              | 14.AC input                |                            |

### Solar system connection



### Specification

MODEL		EP30-8KW PRO	EP30-10KW PRO	EP30-12KW PRO
Nominal Battery System Voltage		48VDC	48VDC	48VDC
INVERTER OUTPUT	Continuous output power	8.0KW	10.0KW	12.0KW
	Surge rating	24000VA	30000VA	36000VA
	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		
	Short circuit protection	Yes (1sec after fault)		
Typical transfer time	10ms(max)			
AC INPUT	Voltage	90-280VAC		
	Selectable Voltage Range	170-280VAC(For Personal Computers)		
	Frequency Range	50Hz \ 60Hz		
BATTERY	Minimum start voltage	40.0V±0.6 \ 42.0V±0.6		
	Low battery alarm	42-50VDC		
	Low battery Cutoff	40.0V±0.6 \ 42.0V±0.6		
	High voltage alarm	60VDC		
	High battery voltage recover	57VDC		
	Idle consumption-search mode	<60W when power saver on		
CHARGER	Output voltage	Depends on battery type		
	Charger AC input breaker rating	80A		
	Max charge power rate	1/3 Rating power		
	Overcharge protection S.D.	62.8VDC		
	Maximum Charge Current	100A	120A	140A
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	63A		
Max bypass current	63Amp			
MECHANICAL SPECIFICATIONS	Mounting	Wall mount		
	Inverter dimensions (W*H*D) (mm)	670*410*215		
	Inverter weight (solar chg) (kg)	67.5	74	74
	Shipping dimensions (W*H*D) (mm)	802*533*429.5		
	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			