



## EP2000 Series Low Frequency Pure Sine Wave Inverter

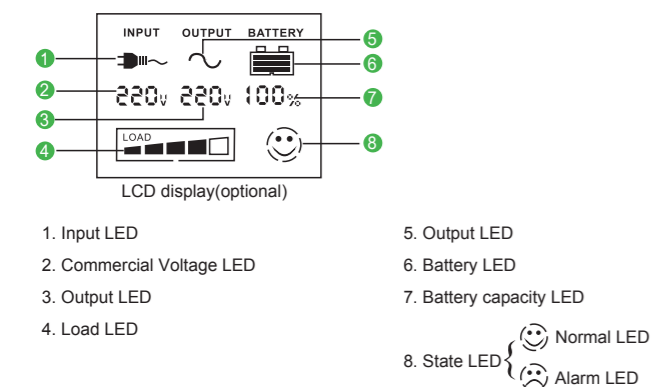
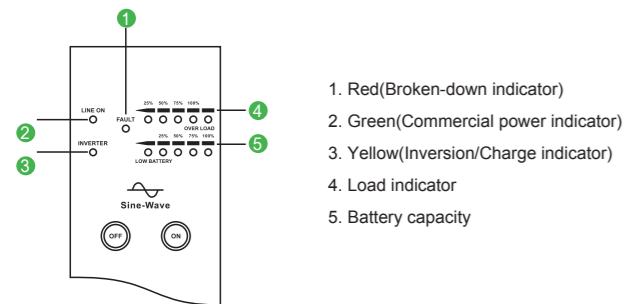
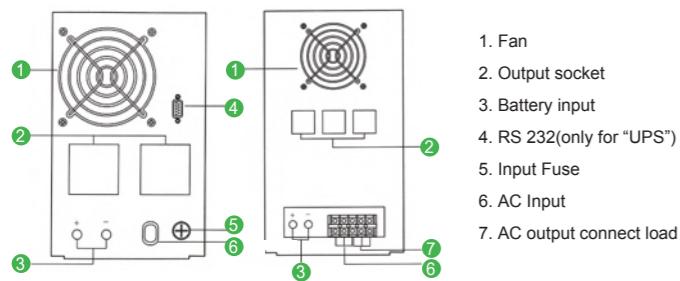
### Feature:

- Wide input voltage range
- Built in AVR.
- LED/LCD option.
- Super transformer.
- Max charge current 25A.
- Generator compatibly.

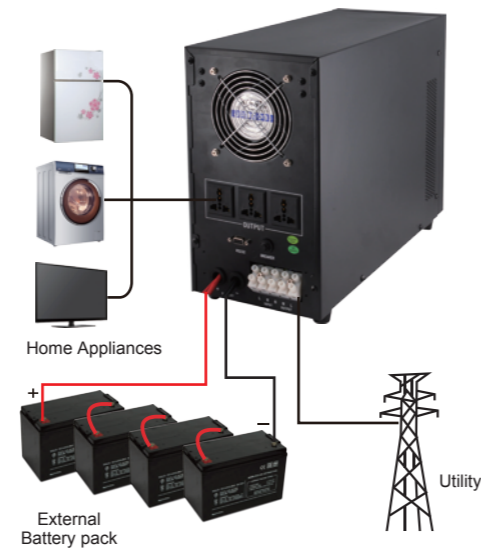
### Introduction:

This manual contains information regarding the installation, operation and use of the equipment. It is advised that this User's Manual be consulted before installation of the equipment, which operation shall only be carried out by qualified personnel. Thereafter, it shall be kept and referred to whenever it is necessary to carry out work on the equipment.

### LCD Display Information



### Inverter Connection



### Back Panel



### Specification

MODEL(EP20-)	600T	1000T	1500T	2000T	3000T	4000T	5000T	6000T	7000T	10000T
<b>Default Battery System Voltage</b>	12VDC	12VDC/24VDC	24VDC	48VDC			96VDC			
<b>INVERTER OUTPUT</b>	Pure sine wave									
Rated Power	600W	1000W	1500W	2000W	3000W	4000W	5000W	6000W	7000W	10000W
Waveform	Pure sine wave									
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)	>80%									
Line Mode Efficiency	>95%									
Power Factor	1.0									
Typical Transfer Time	Typical 2~6ms , 10ms max									
<b>AC INPUT</b>	100V/110V/120VAC 220V/230V/240VAC						220V/230V/240VAC			
Nominal Voltage	100V/110V/120VAC 220V/230V/240VAC						220V/230V/240VAC			
Voltage Range	96~132VAC/145~275VAC(For Personal Computers)						145~275VAC(For Personal Computers)			
Frequency Range	50Hz/60Hz (Auto sensing 44-68Hz)									
<b>BATTERY</b>	12VDC	12VDC/24VDC	24VDC	48VDC			96VDC			
Nominal Input Voltage	12VDC	12VDC/24VDC	24VDC	48VDC			96VDC			
Minimum Start Voltage	10.5VDC /21.0VDC/42VDC/84VDC									
Low Battery Alarm	10.5±0.3V /21VDC±0.6V/42VDC±1.2V/84VDC±2.4V									
Low Battery Cutoff	10.0±0.3V/20VDC±0.6V/40VDC±1.2V/80VDC±2.4V									
High Voltage Alarm	15.5±0.3V/31VDC±0.6V/62VDC±1.2V/124VDC±2.4V									
High Battery Voltage Recover	15.0±0.3V/30VDC±0.6V/60VDC±1.2V/120VDC±2.4V									
<b>CHARGER</b>	14V±0.2V/28V±0.4V/56V±0.8V/112V±1.2V									
Charger Voltage	14V±0.2V/28V±0.4V/56V±0.8V/112V±1.2V									
Overcharge Protection S.D.	15.5VDC/31VDC/62VDC/124VDC									
Maximum Charge Current	15A~25A									
<b>BYPASS &amp; PROTECTION</b>	50Hz or 60Hz									
Nominal Input Frequency	50Hz or 60Hz									
Overload Protection(SMPS Load)	IPS automatically shutdown if overload exceeds 120% of normal value for 30 seconds IPS automatically resume work if overload comes back to rated load									
Output Short Circuit Protection	FUSE			Circuit breaker						
Bypass Fuse Rating	10A			15A		30A		50A		
Max Bypass Current	10A			15A		30A		50A		
<b>MECHANICAL SPECIFICATIONS</b>	140*182*380			190*350*450			260*750*570			
Dimensions(W*H*D)	140*182*380			190*350*450			260*750*570			
Net Weight(kg)	11	12	24.2	27.4	29.5	33	35	41	47	53
Shipping Dimensions(W*H*D)	215*285*465			325*473*595			480*1030*720			
Shipping Weight(kg)	12	13.2	26.9	30.1	33.2	35.7	49	55	61	67
<b>OTHER</b>	0°C to 40°C									
Operation Temperature Range	0°C to 40°C									
Audible Noise	60dB MAX									
Display	LED or LCD Optional									
Loading(20GP/40GP/40HQ)	950pcs / 2100pcs / 2300pcs			270pcs / 500pcs / 600pcs			60pcs / 110pcs / 140pcs			

\* 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
600	1.75	3.5	7	14	
1000	1	2.1	4.2	8.4	
2000		0.4806	1.602	3.50304	7.6896
3000		0.2848	0.8544	2.136	4.8146
4000			0.4806	1.602	3.50304
5000			0.34176	1.19616	2.73408
6000			0.2848	0.8544	2.136
7000					2.4
10000					1.7