

SPECIFICATION:

MODEL		EP30-8KW	EP30-10KW	EP30-12KW
Default 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)		
BATTERY	Minimum start voltage	20.0VDC/21.0VDC for 24VDC 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)	200pcs / 400pcs