EXELON

DATASHEET

PURE SINE WAVE INVERTER

1000 W / 2000 W / 3000 W

EP SERIES

12 V 24 V
PURE SINE INVERTER

Single-Phase Inverter

- Pure sine wave output(THD<3%);
- High surge power up to 2 times of real loading power;
- Loading 1.5times rated power for 10s,2times for 2s;
- High efficiency up to 92%;
- Power ON-OFF switch;
- Soft start;
- More stable working functions
- Front panel indicator for operation status;
- Thermostatically and load controlled cooling fan;
- Protections:Bat. low alarm/Bat. low shutdown/Bat. over shutdown/output short/overload/over Temp.

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PURE SINE WAVE INVERTER

SPECIFICATION							
MODEL		EP300	EP600	EP1000	EP1500	EP2000	EP3000
OUTPUT	RATED POWER	300W	600W	1000W	1500W	2000W	3000W
	SURGE POWER	600W	1200W	2000W	3000W	4000W	6000W
	AC VOLTAGE	Factory setting set at 110V/220V AC					
	FREQUENCY	Factory setting set at 50HZ/60Hz					
	WAVE FORM	Ture sine wave(THD<3%) at rated input voltage					
	AC REGULATION	±10%					
	STANDARD RECEPTACLES	Schuko/UK/Australia/Universal/USA/France/JP/Brazile					
	FRONT PANEL INDICATOR	Operation and fault status					
INPUT	BAT.VOLTAGE	12V	24V	48V	12v	24V	48V
	VOLTAGE RANGE	10-16VDC	20-32VDC	40-64VDC	10-16VDC	20-32VDC	40-64VDC
	DC CURRENT	50A	25A	13A	50A	25A	13A
	NO LOAD CURRENT DRAW	0.51A	0.25A	0.17A	0.51A	0.25A	0.17A
	EFFICIENCY		>92%				
	BATTERY TYPES		Recommend use Open & sealed lead acid battery				
BATTERY INPUT PROTECTION	BAT.LOW ALARM	10.8±0.2V	21.6±0.4V	43.2±0.8V	10.8±0.2V	21.6±0.4V	43.2±0.8V
	BAT.LOW SHUTDOWN	10.2±0.2V	20.4±0.4V	40.8±0.8V	10.2±0.2V	20.4±0.4V	40.8±0.8V
	BAT.OVER SHUTDOWN	15.5±0.2V	31±0.4V	62±0.8V	15.5±0.2V	31±0.4V	62±0.8V
OUTPUT	OVER TEMPERATURE	75℃					
	OUTPUT SHORT	Protection type:Shut down o/p voltage;re-power on to recover					
	OVER LOAD	120% rated power/protection type:shut down o/p voltage; re-power on to recover within 10 times					
ENVIRONMENT	WORKING TEMP.	0～+40℃@100% load;60℃ @50% load					
	WORKING HUMIDITY	20%-90% RH non-condensing					
	STORAGE TEMP.	-30～+70℃/-22～+158℉					
	STORAGE HUMIDITY	10%-95% RH non-condensing					
SAFETY	CE	Compliance to EN55032					
	LVD	Compliance to EN60950-1					
	ROHS	Compliance to EN50581					
	E-MARK	E13					
	OTHERS	ISO9001/IATF16949/BSCI					
LED BUZZER	LOW BAT.ALARM	Buzzer sound 2 times and red light blink 2 times every 8s					
	LOW BAT.SHUTDOWN	Buzzer sound 3 times and red light blink 3 times every 8s					
	OVER BAT.SHUT DOWN	Buzzer sound 4 times and red light blink 4 times every 8s					
	OVER TEMP	Buzzer sound 5 times and red light blink 5 times every 8s					
	OVER LOAD	Light blink constantly					
OTHER	COOLING	Load and Temp. control the fan					
	CONTROL WIRING	RJ11					
	DIMENSION(mm)	130*150*53	210*150*70	280*150*80	290*220*90	320*220*85	360*220*150
	PACKING(mm)	54*42*30	42*34*43.5	42*41.5*32.5	43*30.5*37	46*30*36	56*30.5*23
	APPLICATION	Home and office applications,power tools and portable equipment, vehicle,yacht and solar system.					