

# EXELON



DATASHEET  
PURE SINE WAVE INVERTER  
WITH CHARGER  
1000 W / 2000 W / 3000 W

## ETS SERIES

## PURE SINE INVERTER WITH CHARGER

Single-Phase Inverter



- Pure sine wave output (THD < 3%);
- High surge power up to 2 times of real loading power;
- Loading 1.5 times rated power for 10s, 2 times for 2s;
- High efficiency up to 92%;
- Power ON-OFF switch;
- Standby saving mode;
- Built-in fuse;
- Inverter with ATS transfer, battery charger;
- More safety connection by plastic terminal
- 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.

[www.exelonest.com](http://www.exelonest.com)



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PURE SINE WAVE INVERTER  
WITH CHARGER



SPECIFICATION				
MODEL		ETS1000	ETS2000	ETS3000
OUTPUT	RATED POWER	1000W	2000W	3000W
	SURGE POWER	2000W	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		
	VOLTAGE RANGE	10.8-15.5VDC		
	DC CURRENT	50A	25A	13A
	NO LOAD CURRENT DRAW	0.51A	0.25A	0.17A
	EFFICIENCY			
BATTERY INPUT PROTECTION	BATTERY TYPES			
	BAT.LOW ALARM	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
	BAT.OVER SHUTDOWN	15.5±0.2V	31±0.4V	62±0.8V
REVERSE POLARITY	By design inside fuse			
by pass	ATS transfer	The power switch to battery within 2s if the city power cut off.		
DC output	charging current range	10A	20A	20A
OUTPUT	OVER TEMPERATURE	75°C		
	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		
ENVIRONMENT	WORKING TEMP.	0~+40°C@100% load;60°C @50% load		
	WORKING HUMIDITY	20%-90% RH non-condensing		
	STORAGE TEMP.	-30~+70°C/-22~+158°F		
	STORAGE HUMIDITY	10%-95% RH non-condensing		
CERTIFICATE	CE/RoHS/LVD/IATF16949			
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		
	APPLICATION	Home and office applications,power tools and portable equipment,vehicle,yacht and solar system.		