

EXELON

DATASHEET
EXS 1000/12



ES SERIES PURE SINE INVERTER

Single-Phase Smart/AC Inverter



40A MPPT



LCD Display



Max. Efficiency
98%



IP21
Ingress Protection

Features

- Pure sine wave solar inverter
- Built-in 40A MPPT solar charger
- PV input voltage range 20~150VDC (for 1000W),
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- meet rich customized demands
- Solar energy is provided directly to the load first

www.exelonest.com



Model	EXS -1000-12
RATED POWER	1000W/1000VA
AC Input	
Voltage	230VAC
Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)
Frequency Range	50 Hz/60Hz(Auto sensing)
AC OUTPUT	
AC Voltage Regulation	230VAC±5%
Surge Power	2000 VA
Efficiency(Peak)PV to INV	98%
Efficiency(Peak)Battery to INV	94%
Transfer Time	10 ms
BATTERY	
Battery Voltage	12VDC
Floating Charge Voltage	13.5VDC
Overcharge Protection	16VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	
Maximum PV Array Power	600W
MPPT Range @ Operating Voltage	20~150VDC
Maximum PV Array Open Circuit Voltage solar	150VDC
Maximum Solar Charge Current	40A
Maximum AC Charge Current	40A
Maximum Charging Current (Solar+AC)	80A
PHYSICAL	
Dimension,D*W*H(mm)	290*240*91
Carton Dimension,D X W XH(mm)	340*295*145
Net Weight(kgs)	3.5
Gross Weight(kgs)	4.0
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non ~ condensing)
Operating Temperature	-10°C ~ 50°C
STANDARD	
Compliance Safety	CE