

SunWize® Power Online Systems

For continuous loads of 1-1000 watts



600 watt Power Online System with 24Vdc 108AH GEL batteries, optional AC inverter and DC:DC converter



600 watt Power Online System with 48Vdc, 120AH VRLA batteries, and custom system options

SunWize Power Online Systems provide continuous DC power with battery backup from an AC source for applications such as microwave and cellular repeaters, Wi-Fi and WiMax networks, and RTU and SCADA. These fully integrated, weatherproof units convert AC primary power to charge a 12, 24 or 48 VDC sealed battery bank while powering a DC load or an AC load with integral inverter option.

Since the loads are connected to the battery bank 100% of the time, there is zero transfer time in the event of a loss of AC primary power. Various battery sizes are available to provide increased backup capability and improved filtering of the charger output.

Systems are housed in a weatherproof aluminum style enclosure with passive filtered venting, a universal key lock and tamper-proof hardware suitable for pole, wall or optional tower mounting.

Power Online Systems are available in three models covering a range of applications:

- **Series X** systems include industrial performance with rugged components and the widest range of power and system voltage options.
- **Series Y** systems include standard alarm capabilities as well as an integral LCD meter
- **Series Z** are military spec sealed systems for applications in the harshest environments requiring wide temperature performances.

Shipping and handling: Power Online Systems are designed to withstand rugged transportation to remote sites. Each subsystem is fully assembled and factory tested before shipment.

Features:

- Rated from -20°C to +60°C operational
- Temperature compensated, multi-stage battery charging
- Low voltage load disconnect
- NEC code compliant overcurrent protection and safety disconnect
- Solid state electronics
- Protection against lightning and voltage transients
- Input and output circuit protection
- UL, FM and CSA listed components
- Maintenance-free deep-cycle batteries
- Weatherproof enclosure suitable for pole, wall tower or pad mounting
- Full system warranty
- Pre-assembled for easy installation
- No environmental impact
- Low operating and maintenance costs
- Complete systems reduce specifying and buying time

SUNWIZE® POWER ONLINE SYSTEMS – Available in 3 Model Types

Series X Power Online Systems – Featuring 45-1350W Battery Chargers

Industrial-quality switch mode power supply with temperature-compensated 2-stage charging
 The robust UL-listed charger provides precision 12, 24 or 48V voltage regulation from -20° – +60°C
 Higher capacity battery banks require a separate ground mounted chest enclosure to accommodate batteries only
 45-150W systems are set for 90-264VAC operation. • 300-1350W systems are factory set for 120 or 240VAC operation

Series Y Power Online Systems – Featuring 300W, 600W Battery Chargers

Industrial-quality rectifier with temperature-compensated 3-stage charging
 The robust UL-listed charger provides precision 12 or 24V voltage regulation from -20° – +60°C
 Available in Optional 230V / 50Hz Models
 Systems can be field adjusted for 120 or 240VAC operation
 Higher capacity battery banks require a separate ground mounted chest enclosure to accommodate batteries only
 System includes standard a selectable digital meter display, status LEDs, and form C alarm contacts for AC failure, low battery voltage, charger failure and battery faults

Series Z Power Online Systems – Featuring 150/300W Battery Chargers

Mil-Spec quality switch mode power supply with temperature-compensated 3-stage charging
 The robust CE-listed charger provides precision 12 or 24V voltage regulation from -40° – +85°C
 Higher capacity battery banks require a separate ground mounted chest enclosure to accommodate batteries only
 Systems are set for 90-264VAC operation

SUNWIZE POWER ONLINE SYSTEMS – Features & Options

	Series X 45-1350W	Series Y 300, 600W	Series Z 300W
UL-listed charger	x	x	x
Temperature-compensated charging	x	x	x
Status LEDs	x	x	x
Digital LCD meter display	N/A	x	N/A
AC failure alarm contact closure	O	x	O
Low battery voltage alarm contact closure	O	x	O
High battery voltage alarm contact closure	N/A	x	N/A
Charger failure alarm contact closure	N/A	x	N/A
Battery fault alarm contact closure	N/A	x	N/A
Vented Industrial Passive Cooling	x	x	N/A
Sealed Mil-Spec Passive Cooling	N/A	N/A	x
System warranty	1 year	1 year	1 year
Charger warranty (pass-through)	1 year	1 year	1 year

x = Standard feature O = Optional feature