

PRODUCT CATALOG

ENGINE STARTING | CRITICAL DC POWER | BATTERY MONITORING

Protecting critical infrastructure

Stored Energy Systems (SENS) provides integrated power systems, battery chargers and battery monitoring solutions. We've incorporated the latest advancements in technology to minimize risk of critical system downtime.

Reliability

Our robust design and quality control delivers charger reliability as close to "bulletproof" as is technically possible. Our lean production system delivers a combination of high quality, fast delivery and competitive pricing that is unique to SENS.

Our products support **many industries:**

- Data centers
- Utilities
- Oil & Gas
- Cable / Telecom / Wireless
- Hospitals
- Plant Manufacturing
- Marine

Innovation

As a leading designer and manufacturer of engine starting, critical DC power, and battery monitoring solutions, we continue to deliver product innovations that provide the lowest total cost solution. Our experts are committed to driving innovative solutions through the latest technology and groundbreaking insights.



High Reliability Chargers

Hardened Switchmode & SCR



Meet the MicroGenius Family

12/24/48/120VDC, 5-100A, 1PH, switchmode

- Patented Dynamic Boost™ & HELIX™ technologies charge faster & more safely
- Rugged, small, light with optional drip shield
- Universal AC input, output voltages from 12-120 VDC nominal
- Wide variety of communication options, including MODBUS, Ethernet TCP/IP, J1939, and Form-C alarm relay contacts (except LE)
- C-UL, CE, IBC Seismic, ABS, CA efficiency certified

EnerGenius DC

120-240VDC, 6-800A, 3PH, switchmode

- Ruggedized and engineered for the harshest applications
- 480 VAC 3-phase input; transient & surge protected
- Hot-swap modular rectifiers
- Delivers ripple-free output even without battery
- Optional Modbus, DNP3, high current alarm relays
- C-UL listed, CE marked, IBC seismic certified



SCR Chargers

EnerGenius IQ2

12-240VDC, 6-150A, 1PH, SCR

- Industry standard SCR technology
- Powers DC loads
- Reliable, high-performance battery charging



EnerGenius NRG

12-24VDC, 10A, 20A, SCR

- Industry standard SCR technology
- High accuracy automatic 4-rate charging
- Equipped with battery-fault alarm



Integrated Power Systems

High Reliability Power Systems



SuperTorque 8Z

Genset Starting System

- High performance NiZn battery + integrated charger, 75% smaller than lead acid battery system including charger
- Lowest total cost of ownership - >50% lower TCO over ten years than a lead-acid battery system
- 10 year warranty

8Z Rack

Integrated Engine starting system with rack/8Z/BBS/BCS/Disconnects

- A complete system that makes specification and installation of the entire engine DC system so much simpler
- Pre-assembled, tested, and configured to cut installation time by 6 hours

Integrated DC Power Systems

Complete customizable DC systems that incorporate rectifiers, batteries, DC panels in a tested and fully assembled enclosure. They offer reliable and uninterrupted DC power with optional built-in redundancy and monitoring capabilities.



PowerCab

24/48/120VDC,
SCR



MicroCab

12/24/48VDC,
switchmode



PowerCab2

24-300VDC, switchmode

Designed for mission critical applications including switchgear, utility and oil and gas, the PowerCab2 utilizes the most innovative technology available in the market and reduces complexity, installation time while saving money and improving reliability.

Battery Monitoring Systems

Remote Monitoring



SC4

Large Applications

- NERC PRC-005-6 compliant with reporting capabilities
- Extensive, user-definable set-up capabilities such as labels and alarm thresholds
- 6 physical string inputs with a maximum of 40 battery sensors in any input (240 battery sensors per controller)

SC Mini-XC

Small Applications

- Lowest cost, highest capability solution for cabinet and small systems power monitoring
- Equipped with 2 battery sensors for total monitoring capacity of 60 batteries (30 per input)
- Built in web-server for convenient monitoring
- No software licenses required

Battery Monitoring Accessories



Battery Sensor

1/2/6/12/16V
Ohmic measurements



Float Current Sensor

Float charge current
and AC ripple current



RIM / ROM

Enhanced monitoring
capabilities



Electrolyte Level Sensor

Auto leveling optical
sensor

Redundancy

BBS

Engine Start

Best Battery Selectors /
Battery Couplers

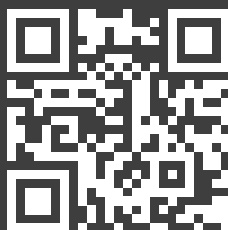


BCS-120

Engine Start

Battery Control System
/ Control & Alternator
Coupler





Contact
Stored Energy Systems LLC
www.sens-usa.com
(303) 678-7500
info@sens-usa.com