

Alternators, Welders,  
PMGs for gen-sets  
and power on demand



2017



# COMPACT ALTERNATORS 1-3100 KVA@60Hz

**INDUSTRIAL | CONSTRUCTION | WELDING | VARIABLE SPEED**  
**TELECOM | LIGHTING 24-48 VDC**  
**MARINE | MEDIUM VOLTAGE | OIL & GAS**



- **ALTERNATORS**
- **WELDERS/GENERATORS**
- **PERMANENT MAGNET GENERATORS**

SINCRO is an Italy-based manufacturer of **AC and DC synchronous alternators and welders for gen-sets**, today chosen by OEMs in **80 countries** worldwide.

**SINCRO RANGE IS ONE OF THE WIDEST IN THE MARKET: OVER 350 MODELS** INCLUDING LOW AND MEDIUM VOLTAGE 4 OR 2 POLE ALTERNATORS, P.T.O GENERATORS, WELDERS/GENERATORS AND PERMANENT MAGNET GENERATORS FOR VARIABLE SPEED OR SPECIAL APPLICATIONS.

**A KEY FEATURE OF OUR ALTERNATORS IS THEIR EXTREME COMPACTNESS**, for shorter-dimensioned gen-sets saving space and money.



MADE IN EUROPE

# SINCRO, a brand of Soga Energy Team

## PURE EUROPEAN MANUFACTURERS

SINCRO is a division of the SOGA ENERGY TEAM industrial group, Italian player in *energy* and *automation* sectors **since 1966**.

The group develops and manufactures an **exhaustive range of rotating electrical machines and electronic systems** for industrial automation, **ALL MADE IN EUROPE** in Italy and Croatia

recognized in the market thanks to its 5 commercial brands.

Soga Energy Team co-operates with OEMs in the most different markets and applications by providing **standard** versions, **custom-made** executions, **new special projects** to create exclusive products.



5

Commercial brands

6

Production sites, with LEAN system

50

**Half a century of experience** in the production of alternators and motors

80

We have customers in 80 countries

300

Collaborators

750

750 models up to 3,1 MW/60Hz in our catalogues (alternators and motors).  
**One of the widest ranges in the world.**

250.000

Units as yearly production capacity





# ALTERNATORS, PMGs, MOTORS IN STANDARD AND EXTRA-ORDINARY EXECUTION



AC electric motors



AC and DC alternators  
and welders



PTO tractor-driven  
generators



AC generators for renewable energies  
and special projects



Automation  
electronic systems



# 1) ALTERNATORS FOR INDUSTRIAL GEN-SETS

**4  
POLES**  
1800 RPM



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For North-America market we offer a dedicated range of 4-pole industrial alternators CSA | UL approved. 28 models featured by proven reliability of performances, toughness and durability. A trusted range of industrial alternators, for hard work in medium powered energy applications.

**SUPER  
COMPACT**

**SK160**



up to 50 kVA S1  
in 516 mm / 20 inch

**SK250**



4-pole / 3-phase | Synchronous | Low voltage AC | Brushless/AVR | IP23



**SOME APPLICATIONS** | industrial | construction | residential

## MODELS

**SK250** | up to 360 kVA

**SK225** | up to 168 kVA

**SK160** | up to 50 kVA (3-phase)

| up to 27 kVA (1-phase)

DEEP SEA DIGITAL AVR ON REQUEST



**COMPACT & POWERFUL**

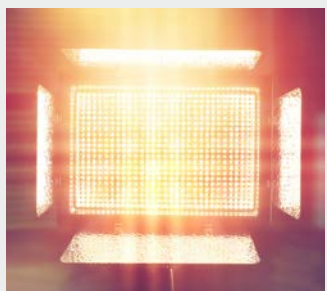


up to 360 kVA S1 in 887 mm / 34 inch

## 2) ALTERNATORS FOR MOBILE & PORTABLE GEN-SETS



catalog download



**FLAGSHIP APPLICATION** | lighting towers

### SK132K

4-pole / 1-phase | Synchronous | Low voltage AC  
Brushless/Capacitor | IP23



### MODELS

**3-PHASE | 2 OR 4 POLES**

GT | SK132T | ET | up to 48 KVA  
Brushes/Compound or Brushes/AVR

**1-PHASE | 2 OR 4 POLES**

GK | SK132K | ER | EK | EP | R80 | up to 30 KVA  
Brushless/Capacitor or Brushes/AVR

**COMPACT  
& ROBUST**

steel body



up to 13 kVA S1 in 425 mm / 17 inch

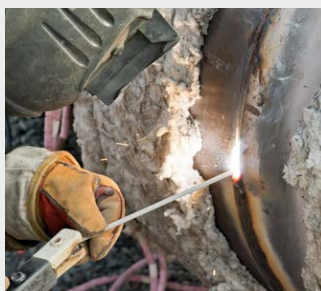


# 3) WELDERS/GENERATORS FOR ENGINE-DRIVEN WELDERS

**DC | AC**  
2 or 4 POLES



catalog download



**SOME APPLICATIONS** | construction | pipeline | fabrication

## MODELS

**SCR ELECTRONIC WELDING REGULATION**

**SW-I500 | SW-F300 | SW-E250**

DC | 500A - 300A - 250A

## SW-F300

DC welder | AC synchronous 3 or 1- phase generator

SCR | SMAW welding process | IP23



**ELECTROMECHANICAL WELDING REGULATION**

**ARC400 | ARC300 | ARC280**

DC | 400A - 300A - 280A

**ED240 | ED210 | ED190**

DC | 240A - 210A - 190A

**EA220 | EA190 | EA140**

AC | 220A - 190A - 140A

# 4) PERMANENT MAGNET GENERATORS FOR VARIABLE SPEED POWER ON DEMAND

PMG



catalog download



**SOME APPLICATIONS** | telecoms | hybrid | apu | marine | military

## PMG140K

Medium-high speeds | NdfeB magnets | 18 poles  
Radial flux | IP20



## MODELS

PMG140K/18-80 | up to 20 kVA  
PMG140K/18-50 | up to 13,5 kVA  
PMG140K/18-40 | up to 11 kVA  
PMG140K/18-25 | up to 6 kVA

**COMPACT  
& EFFICIENT**



up to 20 kVA in 204 mm / 8 inch



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**TYPICAL APPLICATION** | direct drive wind turbines

## MODELS

**EV900** | up to 300 kW

**EV710** | up to 185 kW

**EV560** | up to 120 kW

**EV400** | up to 59 kW

**EV315** | up to 34 kW

**EV225** | up to 15 kW

**EV180** | up to 11 kW

MARKET BEST EFFICIENCY  
(up to 96%)

### EV710

Low/medium speeds | NdfeB magnets

Radial flux | IP55

# EV

## COMPACT & SUPERB



# IN USA READY STOCK OF UNITS AND SPARES!



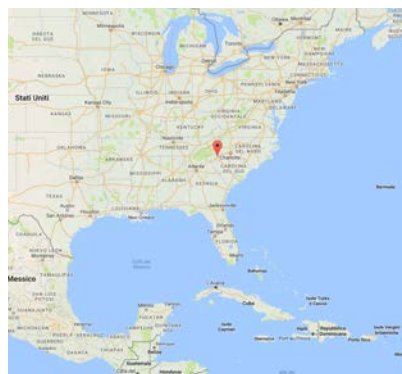
## SERVICE & DISTRIBUTION

### IMD LLC

2822 Old Woodruff Rd. Greer SC 29651 8649680858

Phone: +1 864 968 0858

[generatorsolutions@imdllc.com](mailto:generatorsolutions@imdllc.com)



**Sincro® is a brand of Soga S.p.A.**

Via Della Tecnica, 15 • 36075 Montecchio Maggiore (VI) • ITALY

### Operating office

Via Tezze, 3 • 36073 Cereda di Cornedo Vicentino (VI) • ITALY

Ph. +39 0445 450500 • [sales.sincro@sogaenergyteam.com](mailto:sales.sincro@sogaenergyteam.com)

**[sogaenergyteam.com/sincro](http://sogaenergyteam.com/sincro)**



N. 229580

**SINCRO POWERGEN  
INTERNATIONAL 2017**

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