



## LIQUID COOLED ALTERNATORS

### ASYNCHRONOUS

SINCRO closely works with OEMs in the development of alternators tailored upon their specific R&D guidelines, to match exactly their needs. Compactness, efficiency, simple assembly, full accessibility to the relevant parts of the alternators: these are keywords for SINCRO alternators.

**AWG225**



**UP TO 50 KW**

**AWG225** | up to 50 kW  
**AWG160** | up to 25 kW



CHP focus

**TYPICAL APPLICATION**  
cogeneration

4-pole / 3-phase | Asynchronous  
Low voltage AC

### SYNCHRONOUS UP TO 80 KVA

**SWG225**



Introducing  
SWG series

**APPLICATION**  
special projects

4-pole / 3-phase | Synchronous  
Low voltage AC

## PM-GENERATORS

### LOW & MEDIUM SPEED

SOGAENERGIES is our division for energy special projects: the outcome of our five-decade experience in engineering rotating electric machines for highly specialized industries.

- Direct Drive technology
- From 0 to 500 RPM
- Efficiencies up to 96%
- Low cogging torque
- Customizations

**TYPICAL APPLICATION**  
micro and mini wind turbines



EV catalogue

**EV710 EV**

### MODELS

**EV900** | up to 300 kVA  
**EV710** | up to 185 kVA  
**EV560** | up to 120 kVA  
**EV400** | up to 59 kVA  
**EV315** | up to 34 kVA  
**EV225** | up to 15 kVA  
**EV180** | up to 11 kVA



## PM-MOTORS MODELS

**EVm710**  
**EVm560**  
**EVm400** | multi-pole  
**EVm315** | up to 23,700 Nm  
**EVm225** | nominal torque  
**EVm180**



EVm catalogue

**EVm**

**TYPICAL APPLICATION**  
direct drive cooling tower fans



**EVm180**

## PM-MOTORS

### MODELS

**PMM160**  
**PMM112** | modular  
**PMM90** | up to 60 kW @ 3000 RPM

**What's your application?**

1. LOW SPEED RANGE
2. HIGH EFFICIENCY RANGE
3. HIGH PERFORMANCE RANGE
4. CONSTANT TORQUE RANGE



PMM catalogue

**PMM**

**PMM90**  
**PMM160**



## HIGH EFFICIENCY SINGLE PHASE INDUCTION MOTORS

SOGA very first solution for IE2 efficiency on single phase motors (IEC 60034-2-1 and IEC 60034-30-1).

Standard and custom design

**IE2**

**NEW**

**MMD2**

