



## SINCRO ER2 CAT Single Phase Synchronous AC Alternator 4.2 kVA Capacitor

Reference: ER2 CAT J609a c19

### SINCRO ER2 CAT ALTERNATOR 5,2KVA SINGLEPHASE

Alternator SINCRO ER2 CAT singlephase with a power of 5,2KVA, this unit has a Brushless operation equipped with capacitor voltage regulator.

The alternator is foreseen to work at frequency 50 or 60 HZ, the possibility to work on these two frequencies makes possible its application for any service voltage increasing its versatility, for the correct functioning.

All the components that make up the SINCRO ER2 CAT alternator are subjected to a specific coating and/or impregnation process aimed at safeguarding the functionality of the generator and protecting the critical peers in the various conditions of use.

For extreme atmospheric conditions, models are available that also guarantee the IP23 standard, which provides protection against water up to 60° from the vertical. SINCRO ER2 CAT is a brushless alternator, this feature together with the high efficiency of the regulator ensure a low level of interference with radio waves.

SINCRO alternators are all equipped with a voltage regulator, in the case of the SINCRO ER2 CAT with a capacitor.

The purpose of the voltage regulator in a current generator is to keep the output stable. The delayed current opposes the inductor magnetic field, causing a voltage drop at the alternator output terminals; to compensate the phenomenon, the regulator intervenes automatically increasing the excitation current, until the output returns to the nominal value.

In substance, thanks to the regulator integrated in the SINCRO ER2 CAT you will have a greater safety avoiding malfunctions and sudden breakages of your working tools or of daily use.

Select the alternator that reflects the **technical specifications you require**, visit our [dedicated section](#) to understand how.

#### SINCRO ER2 CAT TECHNICAL FEATURES

Phase type: Single-phase  
Maximum singlephase output: 4KW  
Singlephase continuous output: 3,2KW  
Maximum singlephase output: 5,2KVA  
Singlephase continuous output: 4,2KVA  
Frequency: 50-60Hz  
Voltage: 230 V  
Degree of protection: IP23  
Alternator revolutions: 3000 rpm  
Number of poles: 2  
Weight: 20,4 Kg  
Width: 212 mm

Length: 384 mm  
Height: 203 mm  
Without brushes  
Voltage regulator: Capacitor  
Alternator type: Constant speed

Looking for a product with different features? [Here](#) you can find the entire range SINCRO and other specialized brands.

Images and technical data are not binding and subject to change by the manufacturer

## Technical Sheet

Phase	Single phase
Frequency (Hz)	50
Voltage (V)	230
Engine rpm (rpm)	3000
Poles	2
Single-phase power (KW)	4.2
Single-phase power (KVA)	4.2
Efficiency (%)	77
Protection degree	IP23
Dry weight (Kg)	20.4
Brushes	No
Type of alternator	Constant Speed
Voltage regulator	Capacitor