

## MECCALTE U.V.R.6/1-F AVR

Reference: 4505005121



## MECCALTE UVR6/1-F AVR

MECCALTE UVR6/1-F AVR is a new automatic voltage regulator that allows optimal operation of new and old brushless alternators with exciter dynamo, even in the most critical operating conditions.

The MECCALTE UVR6/1-F AVR is built with the same technological processes of the S.R.7/2-G, it maintains the performances and the characteristics and presents in addition the possibility to have the threephase reference in addition to the singlephase one (we suggest this option for applications characterized by strongly unbalanced or non-linear loads) and LED self-diagnostic which indicates moment by moment the operating conditions of the machine.

MECCALTE UVR6/1-F ensures optimum operation of alternators at no-load, load and transient conditions, particularly at inrush of asynchronous motors. It is also equipped with appropriate internal protections against prolonged overload and overvoltage, which could be dangerous for the alternator and the consumers.

All components are immersed in resin, to ensure precise and safe reliability over time, even in particular environments and to avoid breakage caused by vibration, all enclosed in a rugged housing. It is also equipped with insulated terminals, for the electrical connection and with an internal fuse holder complete with an extra-rapid fuse for protection against short circuits of the exciter stator.

Further on the wording UVR6 means all regulators intended for 50Hz and 60Hz machines both threephase and singlephase. The components of these regulators are of modern conception, all solid state with prevailing use of integrated circuits. The choice of these components has been made to ensure maximum robustness and reliability. MECCALTE UVR6/1-F is also realized with the use of a hybrid circuit, it is contained in a box of modest dimensions and impregnated with resin for protection against vibrations and dripping.

MECCALTE UVR6/1-F is complete with low speed protection adjustable by a trimmer (freq) that allows to set the intervention point at which the alternator reaches the nominal voltage (40-50 or 50-60 Hz). Starting from a residual of 2V, a voltage close to the nominal voltage is reached when the frequency is equal to the one set with the trimmer. In this phase the voltage is brought to the nominal value, in this way you can have a regulation like a compound, with the advantages and the precision of an electronic regulator. The low speed protection will be indicated by a red LED.

### MECHANICAL FEATURES MECCALTE UVR6/1-F

Frequency: 50/60 Hz  
Low speed protection  
Reference: Singlephase or Threephase

Looking for a regulator with different features? [Here](#) you can find the whole range of AVR MECCALTE or other specialized brands

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## Technical Sheet

Frequency (Hz)	50 / 60
Temperature range for use (°C)	-20 +70
Type of regulator	Voltage
Voltage regulator	AVR
Weight (Kg)	1