

SUMMARY

The diploma project comprises: 66 pages, 31 figures, 3 tables and graphical part on 3 pages A1.

The purpose of the bachelor's thesis is to develop and study an electromechanical system based on a dual power machine.

The analytical review of power generation systems, research of static and dynamic modes of electromechanical system is carried out in the work. The required power of the wind generator is calculated. The choice of electric motor and power electrical equipment is made, the parameters of the electromechanical system are calculated.

The received results of calculations, modeling and the made conclusions are analyzed. The algorithm of automation of work of installation is developed

WIND GENERATOR, ASYNCHRONOUS GENERATOR, MATHEMATICAL MODEL, INVERTER, VECTOR CONTROL, CONTROLLER, TURBINE.

					141.7103.003.BP					
	Letter	№ of doc.	Sign.	Date	<i>Electromechanical generation system based on an asynchronous machine with a horizontal rotary turbine</i> SUMMARY			L.	Page	Pages
Devel.	Dudchenko D.							7	66	
Checked	Korol S.							«Igor Sikorsky Kyiv Polytechnic Institute», FEA		
N. Contr.	Burian S.									
Approved.	Peresada S.									