COMBINED PHOTOVOLTAIC AND THERMAL MODULE

Areas of Application

The combined photovoltaic and thermal (PVT) module is designed to obtain heat and electric energy simultaneously from solar energy. The module can be used in power systems of various objects (industrial and public utility companies, private houses, etc.). The modules can form a series-parallel battery for obtaining required parameters and amount of hot water and electric energy

Specification

Rated capacity of photovolta	ic
section, W	70
DC voltage $U_{xx'}$ V	20.4
Current intensity $I_{\kappa 3'}$ A	4.2
Rated capacity of thermal	<up 60="" liters<="" td="" to=""></up>
section, daily	of hot water (50 °C)
Overall dimensions	
width, mm	560
height, mm	1240



Advantages

There are no counterparts manufactured in Ukraine. The PVT module costs 20–30% less as compared with its foreign analogs having identical technical parameters

Stage of Development. Suggestions for Commercialization

IRL4, TRL4

Seeking partners for serial production of modules; the product can be customized upon request

IPR Protection

IPR3

Contact Information

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