



Photovoltaic Module MWG

Features:

- Post-production quality control
- Aluminum frame for easy and solid assembly
- Possibility of serial and parallel connection
- Monocrystalline structure
- Low-iron tempered glass, UV resistant
- 10/10/25 years warranty
- Cooperation with MPPT regulators
- Mounting frame - anodized aluminum

Applications:

- Source of energy in autonomous power supply systems
- Mini power plants
- Electronic power supply

Photos:





Photovoltaic Module MWG

Parametry techniczne:

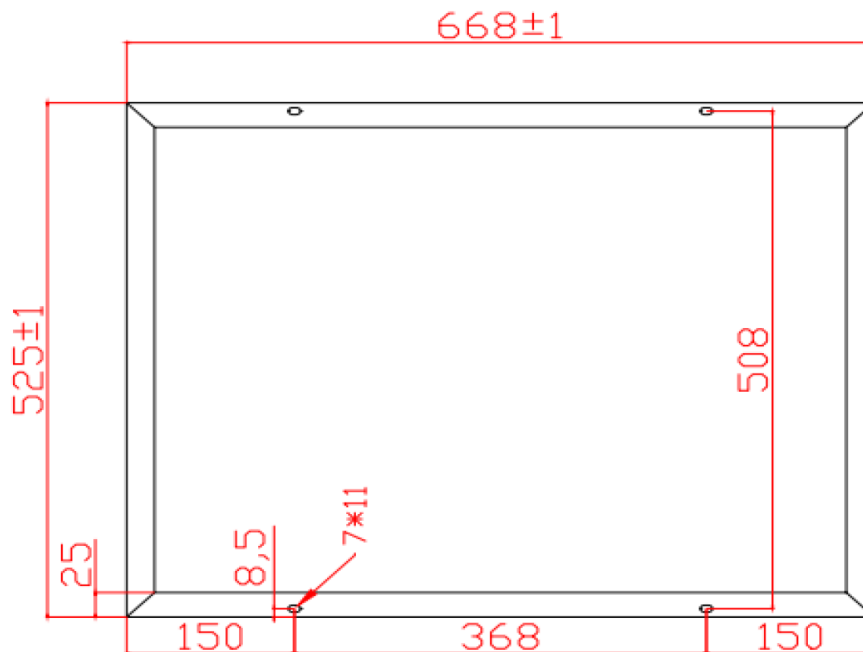
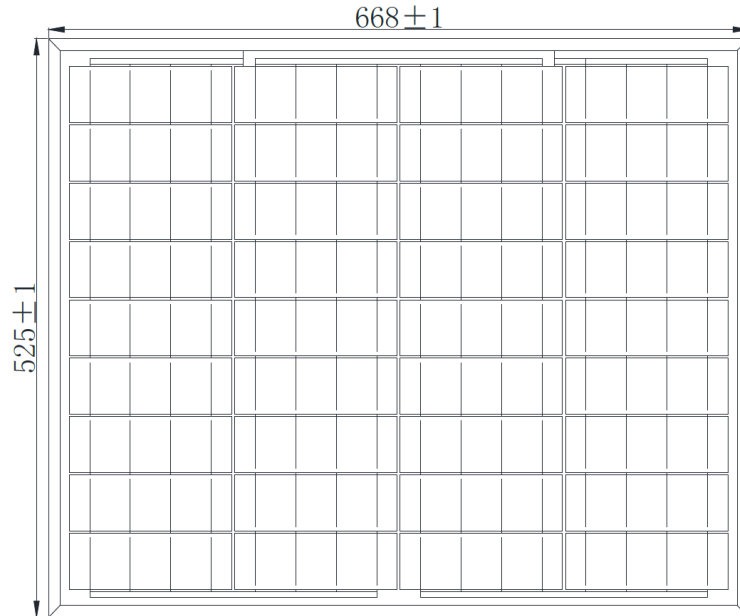
Model	MWG – 50	
Electrical Characteristics*	Maximum Power	50W
	Optimum Operating Voltage	18,16V
	Optimum Operating Current	2,76A
	Open-Circuit Voltage Voc	21,83V
	Open-Circuit Current Isc	2,97A
	Max napięcie systemu	1kV
	Cell Efficiency	17,460%
	Module Efficiency	14,250%
	Power Tolerance	0...+ 3%
Temperature coefficient	Nominal operating cell temp. (NOCT)	47°C +/-2°C
	Pmax temp. coefficient	-0,47%/°C
	Voc temp. coefficient	-0,346%/°C
	Isc temp. coefficient	+0,036%/°C
Working Environment	Operating Temperature	-40...+85°C
	IP	IP65
	Certificates	IEC61215, IEC61730, CQC, CE, TUV ISO9001:2008, ISO14001:2004, BSOHSAS18001:2007
Mechanical Characteristics	L x W x H	525 x 668 x 30mm
	Weight	4,3kg
	Struktura	monocrystal
	Output cables	PV MC4
	Front glass	3,2mm tempered glass
	Frame	Anodized aluminium
Warranties	Product	10 years
	Maintaining 90% of power	10 years
	Maintaining 80% of power	25 years

* for STC with 1000W/m², temp 25°C, AM=1,5



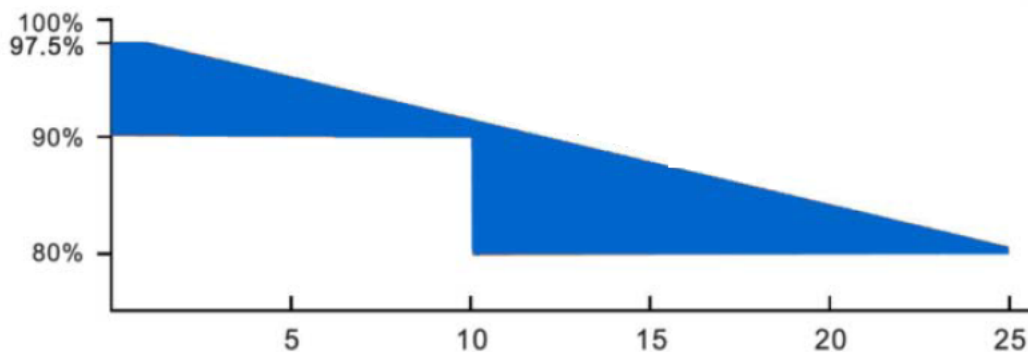
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Dimensions:



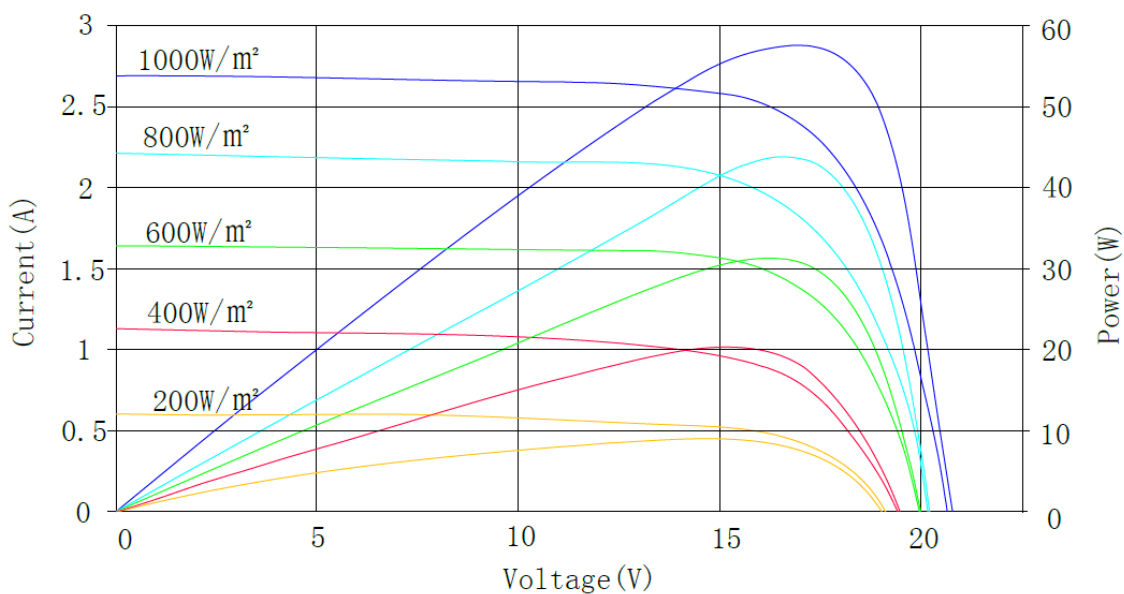


Maximum power drop over years:



IV-Curves:

Current-Voltage&Power-Voltage Curve





Accessories:

PVS-BR1-U-AB-0050	Middle clamo black
PVS-BR1-U-RW-0050	Middle silver clamp
PVS-BR2-Z35-AB-0050	Black end clamp
PVS-BR2-Z35-RW-0050	Silver end clamp
PVS-NKR-M8-A2-KW	M8 square nut, stainless steel DIN 557
PVS-ŚRB-IMB-M8x25-RD	Hexagon socket head cap screw M8x25 DIN 912 knurled A2
PVS-R1-RW-3180	Mounting rail 3180mm long
PVS-R1-RW-2070	Mounting rail 2070mm long
PVS-R1-RW-1110	Mounting rail 1110mm long