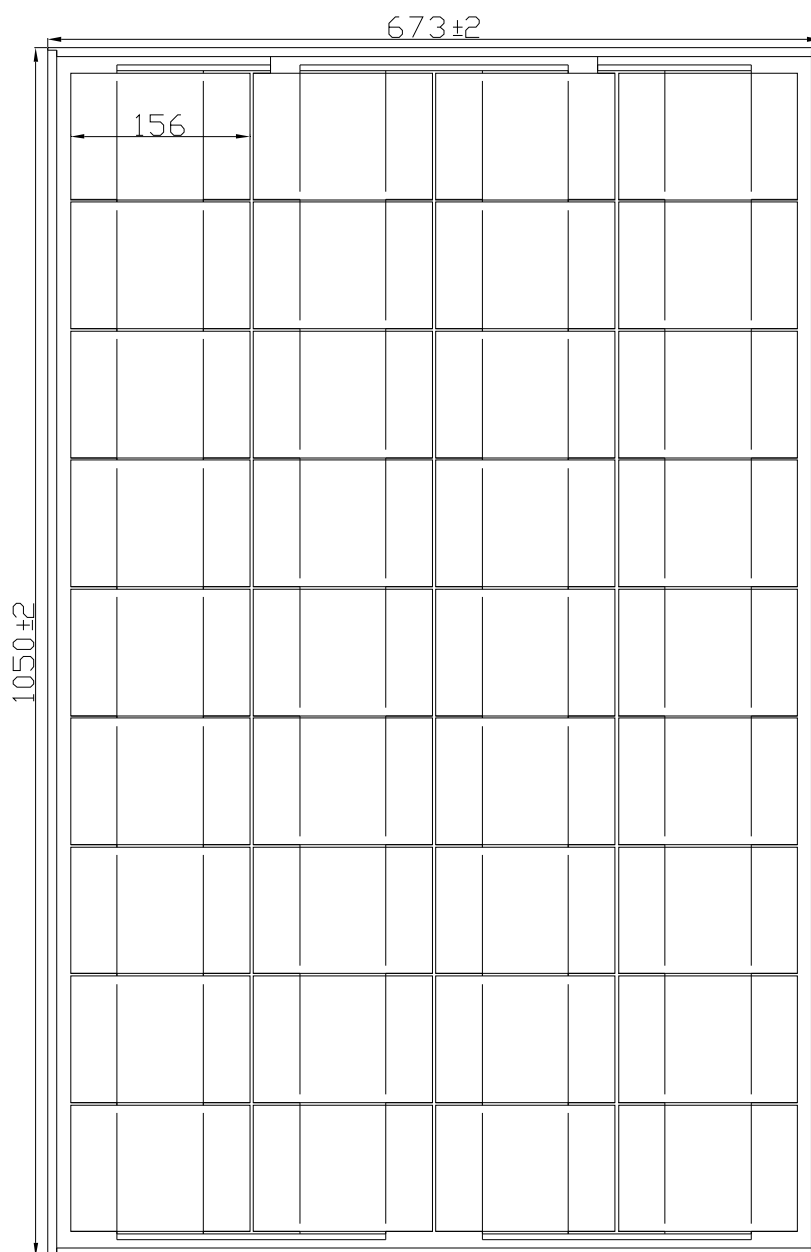


Ningbo Huasheng Solar Energy Sources Industry Co.,Ltd

PV Module Performances (Test condition: 1000W/m², AM1.5, 25°C)

Parameter		Type	HS-90-36-156X110-P
		Silicon	Poly-crystalline silicon
Maximum Power	Watt		90
Production Tolerance			±5%
Maximum Power voltage	V		17.2
Maximum Power current	A		5.23
Open circuit voltage	V		21.8
Short circuit current	A		5.81
Cell efficiency	%		14.5
Module efficiency	%		12.73
Size of module (wide and high)		1050mm x673mm	
Frame (type, material and thickness)		Anodised Alu. alloy frame,40mm thickness	
Number of cells		36pcs	
Size of cell (width and height)		156mmx110mm	
Weight per piece		8.7kg	
Junction box		PV -GZX0603	
Cable type and length		No cable	
Maximum system voltage		1000V	
Temperature coefficient of Voc		-0.35%/°C	
Temperature coefficient of Isc		0.05%/°C	
Temperature coefficient of Im		-0.45%/°C	
NOCT (Nominal operating cell		47°C(±2°C)	
Wind Bearing		60m/s(200kg/sq.m)	
Impact Resistance (Hail Impact Test)		227g steel ball fall down from 1m height	
Quality Guaranty		2 years product warranty and 20 years -20% of power	
FF(%)		70%---72%	
Add: No.2000 Ningci Road, Zhuangqiao Town, Ningbo, Zhejiang, China			
Tel: 86-574-87585177 Fax: 86-574-87560161 Web: http://www.hs-solar.com			

Product Model	HS-90-36-156X110-P	Solar cell module	Order Number	
Production Date			Delivery Date	

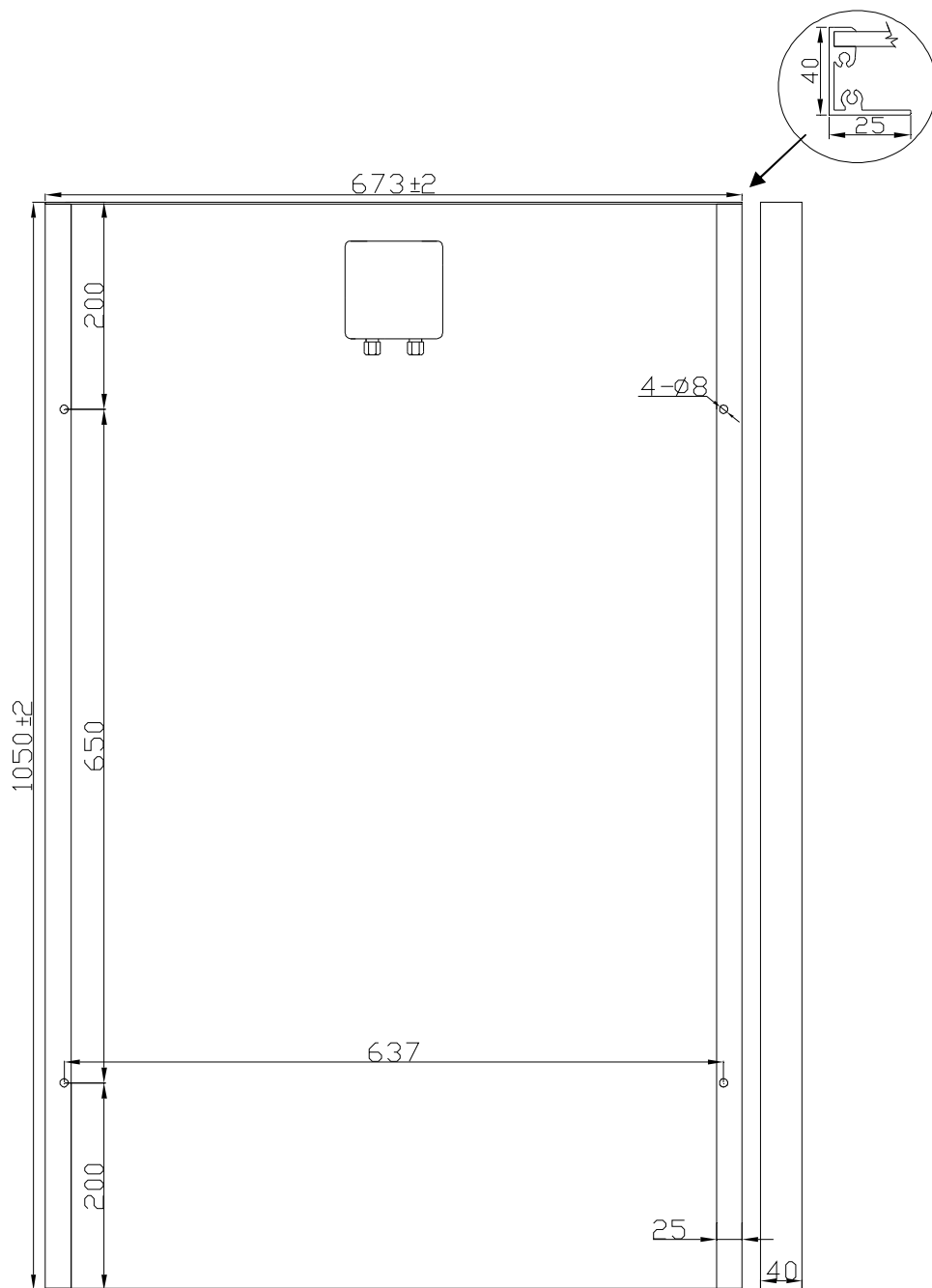


注：
 玻璃尺寸: 1045mm±1X668mm±1
 外型尺寸: 1050mm±2x673mm±2x40mm

Drawing	Wu Yushui	2009-5-13	Audit	Li Haiyang	2009-5-13
Proofreading	Yan Jinxue	2009-5-13			

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Product Model	HS-90-36-156X110-P	Solar cell module	Order Number	
Production Date			Delivery Date	



注：
 玻璃尺寸: $1045\text{mm} \pm 1 \times 668\text{mm} \pm 1$
 外型尺寸: $1050\text{mm} \pm 2 \times 673\text{mm} \pm 2 \times 40\text{mm}$

Drawing	Wu Yushui	2009-5-13	Audit	Li Haiyang	2009-5-13
Proofreading	Yan Jinxue	2009-5-13			

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