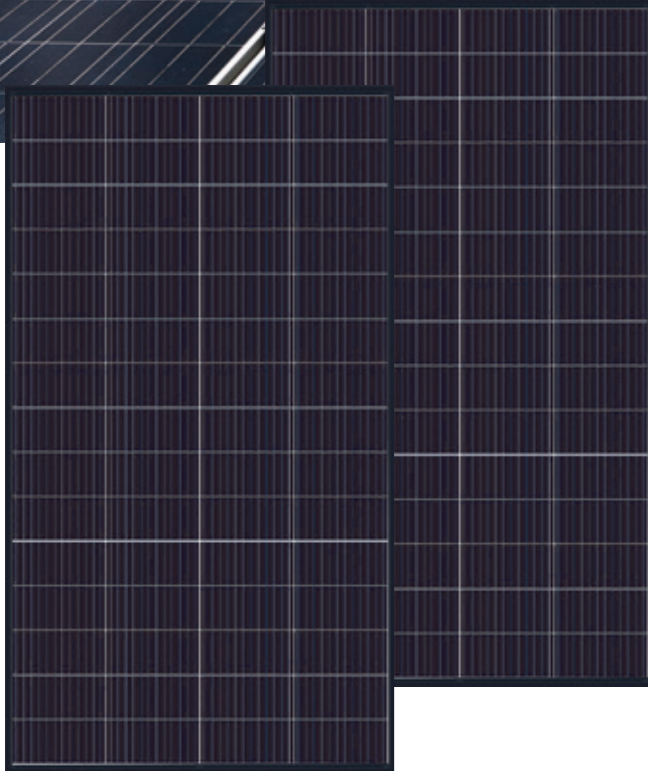






# Photovoltaic Module

## F-PV201



### Features

-  Outstanding mechanical load resistance  
2400 Pa wind load, 5400 Pa snow load
-  Anti-PID(potential induced degradation)  
Passed anti-PID test under 85% damp heat  
85% relative humidity for 96 hours
-  Great Durability against extreme conditions  
Passed salt mist corrosion test, ammonia corrosion test  
dust&sand test, fire test, all certified by TUV
-  Double electroluminescence ( EL ) tests  
Carefully inspected before and after lamination  
to guarantee fault-free modules

### Technical Data

Model	F-PV201-300	F-PV201-410		F-PV201-550	
<b>Electrical Performance</b>					
Dimensions (L/W/H)	1650*880*35	1722*1134*35		2279*1134*35	
	STC	STC	NOCT	STC	NOCT
Peak Power at STC (W)	300	410	304.8	550	405.1
Maximum Power Voltage (V)	33.93	31.46	29.2	41.93	38.93
Maximum Power Current (A)	8.85	13.04	10.44	13.00	10.43
Open Circuit Voltage (V)	39.87	37.45±3%	35.05±3%	49.9±3%	46.73
Short Circuit Current (A)	9.36	13.85±3%	11.16±3%	13.82±3%	11.13±3%
Module Efficiency (%)	20.66	20.99		21.05	
<b>Thermal Characteristics &amp; Operating Conditions</b>					
Maximum System Voltage	1000 V	1500/1000 V		1500V	
Maximum Series Fuse Rating (A)	20	25			
Power Tolerance	0~+3%				
Pmax Temperature Coefficients (W/°C)	-0.350%	-0.350%		-0.400%	
Voc Temperature Coefficients (V/°C)	-0.270%	-0.285%		-0.290%	
Isc Temperature Coefficients (A/°C)	0.048%	0.045%		0.040%	
NOCT Nominal Operating Cell Temperature(°C)	45±2				
Operating and Storage Temperature (°C)	-40°C~+85°C				
<b>Construction Materials</b>					
Front Cover (Materials/Thickness)	Low-iron tempered glass/3.2mm				
Cell (Quality/Type/Dimensions)	210*105 mono	182*91 mono	182*91 mono		
No. of Cells	68 (4*17)	108 (12*9)	144 (6*12)*2		
Frame (Material)	Anodized Aluminium Alloy			Anodized Aluminium Alloy	
Junction Box (Protection Degree)	IP65/IP67	IP67/IP68		IP67/IP68	
Cable (Length/Cross-sectional Area)	4 mm <sup>2</sup> cable 90cm+mc4	4 mm <sup>2</sup> cable 30cm+mc4	4 mm <sup>2</sup> cable 30cm+mc4		
<b>Packing Specifications</b>					
20FT Container	6 Packages/360 PCS	6 Packages/ 324 PCS		10 Packages/ 275 PCS	
40HQ Container	12 Packages/ 816 PCS	26 Packages/ 806 PCS		22 Packages/ 620 PCS	

