

“Ur Active Source of Technology”

aTT-Superior

Product Features

- Superior Light Absorption
- Less Light Sensitivity
- Better Shadow Resistance
- Available to make Larger Area and Good Quality
- Less Silicon needed to avoid material shortage
- Optimal size weight for module handling easily
- Environmental Friendly products

Product Benefits

- Easy Handling
- Friendly Installation
- Convenient for Stocking
- Utilize Transportation cost
- Better Flexibility for System Design
Under Spatial Limitation



aTT-Superior

Advanced Thin-Film Photovoltaic Technology

Electrical Principle			
Nominal Values			
Nominal Power (+/-10%)	Pmpp(W)	50	W
Voltage at Pmax (+/-10%)	Vmpp	45.05	V
Current at Pmax (+/-10%)	I _{mp}	1.11	A
Open Circuit Voltage (+/-10%)	Voc(V)	61.8	V
Short Circuit Current (+/-10%)	Isc(A)	1.44	A
Temperature Coefficient	Pmax TK	-0.29	%/°C
	Voc TK	-0.35	%/°C
	Isc TK	+0.09	%/°C
Mechanical Principle & Component			
Length	1397+/-2.5		mm
Width	635 +/-2.5		mm
Weight	15 +/- 1		kg
Depth	7 +/- 1 (without Junction Box) 20 +/- 1 (With Junction Box)		mm
Maximum System Voltage (IEC/UL)	1000/600		V
Output Cables	Φ2.5mm double insulation / Length 450+/-5 mm		
Connectors	Cable with plug Connector (LEATEC Φ4.0 mm) combine directly with (MC Φ4.0mm) LEATEC Type 62-14240 and 62-24241 MC Type PV-KBT4 and PV-KST4		
Bypass Diode	3 A,1000V / 1300V		
Cell Type	α-Si (Amorphous Silicon)		
Frame Material	Frameless		
Cover Type	3.2mm front glass laminated to 3.2mm back glass		
Encapsulation	EVA (Ethyl Vinyl Acetate)		
Operating Temperature	-40 to +85°C		
Warranty			
Warranty	20 years limited power output warranty		
Product	2 years limited workmanship or materials warranty		

Electrical specifications are rated at Standard Test Conditions STC (Irradiance of 1000 W/m², AM1.5, cell temperature 25°C) and PVUSA Test conditions PTC (Irradiance of 1000W/m², AM 1.5, ambient temperature 20°C, 1m/s wind speed). During the stabilization process that occurs during the first few months in service, module power output will exceed specified ratings. Power output may be higher by 20%; operating voltage may be up to 10% higher; operating current may be up 14% higher; and short circuit current may be up to 10% higher.

※Qualifications: According to IEC61646, IEC61730. CE conformity.



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