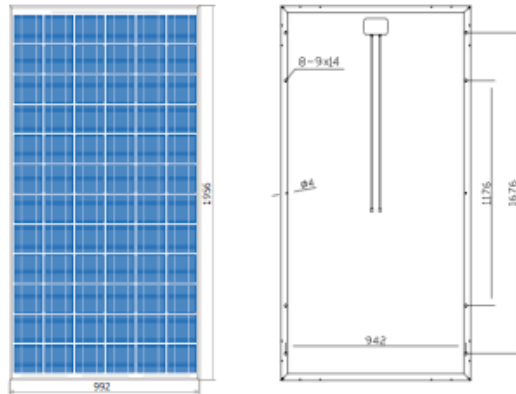




# Microsys International (S) Pte Limited

## Technical Data

Type	AB270P, AB275P, AB280P
Type of Solar Cell	Poly-crystalline, 156mm×156mm
Number of Cells	72 pcs
Size of module	1956×992×50mm
Module, Weight	26 kg
Connector / Cross-Section	GZX
Cables, Length (+/-)	900mm 4mm <sup>2</sup> Cable with polarized waterproof DC
Front Cover Glass	3.2mm High Light Safety Glass
packaging materials	EVA, Polyester
Frame	Silver Anodized Aluminium



## Electrical Data

Maximum Power	$P_{MPP, STC}$	270W	275 W	280 W
Power Tolerance	$\Delta_{STC}$	0~+3%	0~+3%	0~+3%
Maximum Power Voltage	$U_{MPP, STC}$	36.0 V	36.1 V	36.2 V
Maximum Power Current	$I_{MPP, STC}$	7.50 A	7.62 A	7.74 A
Open Circuit Voltage	$U_{OC, STC}$	44.0 V	44.1 V	44.3 V
Short Circuit Current	$I_{SC, STC}$	8.29 A	8.37 A	8.42 A
Cell Efficiency	$\eta_{STC}$	15.4 %	15.7 %	16.0 %
Maximum System Voltage	$U_{OC}$	1000V	1000V	1000V

STC: Irradiance 1000 W/m<sup>2</sup>; Spectrum AM 1,5; Cell Temperature 25°C, Wind 0 m/s

## Temperature Coefficients

Power Coefficient	$\alpha_i (P_{MPP})$	- 0.47 %/K
Voltage Coefficient	$\beta_i (U_{OC})$	- 0.35 %/K
Current Coefficient	$\varphi_i (I_{SC})$	0.065 %/K

## Power Warranty

- 10 years performance warranty to 90 %
- 25 years performance warranty to 80 %
- 5 years warranty against production and material defects

## Certifications

CE, ISO9001:2008

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