

# DIAMOND

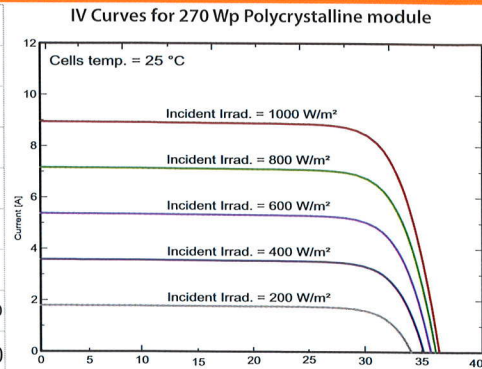
## PV MODULES WITH X-FACTOR

260Wp - 275Wp Poly Crystalline-60Cells



### Electrical Specifications

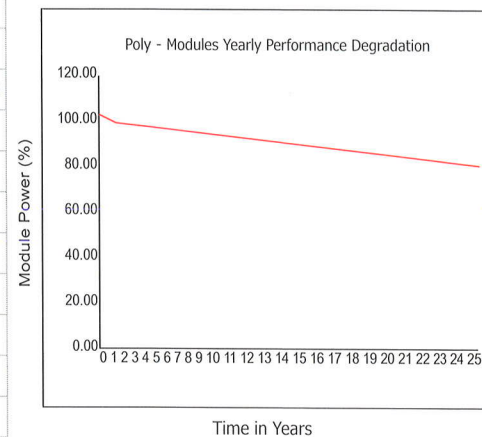
Model	ALP-260	ALP-265	ALP-270	ALP-275
Peak Power (Pmax)	260Wp	265Wp	270Wp	275Wp
Rated Voltage (Vmp)	30.60V	30.78V	30.93V	31.47V
Rated Current (Imp)	8.50A	8.61A	8.73A	8.74A
Open Circuit Voltage (V)	37.80V	37.87V	37.98V	38.70V
Short Circuit Current (I)	8.93A	9.80A	9.15A	9.33A
Module Efficiency (%)	15.83	16.13	16.44	16.74
Tolerance	0~+4.99Wp	0~+4.99Wp	0~+4.99Wp	0~+4.99Wp
Maximum System Voltage (V)	1000/1500	1000/1500	1000/1500	1000/1500



### Mechanical Specifications

Length x Width x Height	1656 x 992 x 35mm
Weight	18.10 kg
Junction Box	IP 65/67 rated with 3 Bypass Diodes Cables & Connectors)
Cable & Connectors	1000 mm (MC4 Compatible)
Application Class	Class A (Safety class II)
Superstrate	High transmission, low iron tempered glass, AR Coated
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)
Back Sheet	Multilayerd Back sheet (white colour)
Frame	Anodized Aluminium frame
Mechanical Load test	5400Pa
Maximum Series Fuses Rating	15A

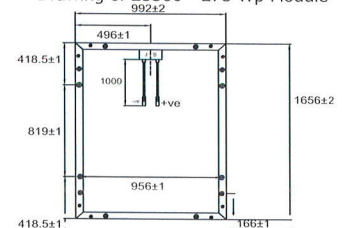
### Performance Curves



### Temperature Coefficient

NOCT*	46°C ± 2°C
Coefficient Power (%/°K)	-0.39%/°K
Coefficient Voltage (%/°K)	-0.31%/°K
Coefficient Current (%/°K)	0.05%/°K
Temperature Range	-40°C to 85°C

Drawing of 25560 - 275 Wp Module



### Warranty and Certifications

Performance*	Power output of 90% at the end of 10 Years and 80% at the end 25 Years
Approved Certificates	IEC 61215 Ed2, IEC 61730, IEC 61701, IEC 62716, UI1703, IEC 62804**
* Refer to Alpex Modules Warranty Document	
** IEC 62804 Standard still not and enforced	

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