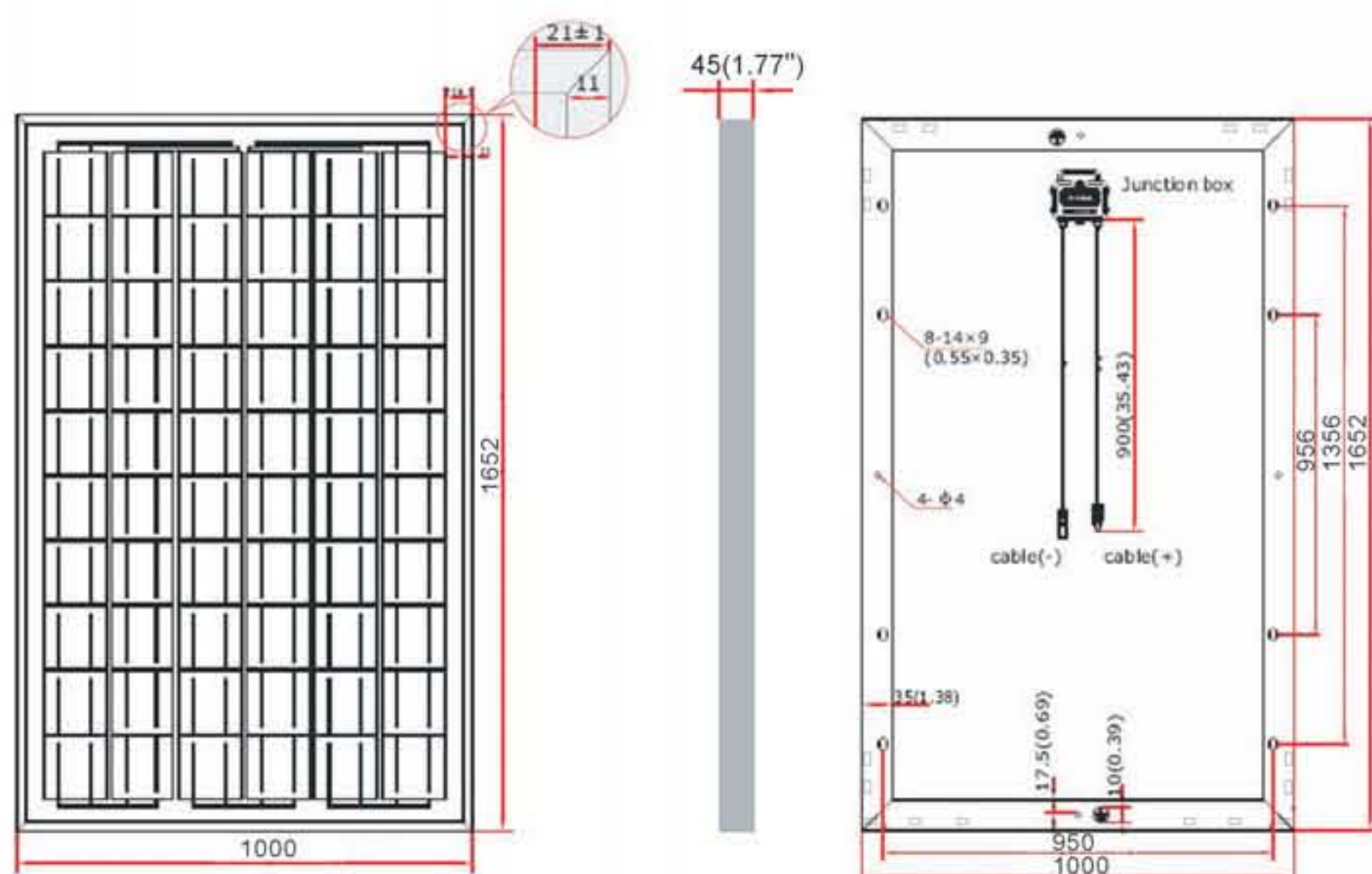


ALP-200D-24 ALP-205D-24 ALP-210D-24 ALP-215D-24 ALP-220D-24
 ALP-225D-24 ALP-230D-24 ALP-235D-24 ALP-240D-24

TYPICAL ELECTRICAL CHARACTERISTICS

Type	ALP	200D	205D	210D	215D	220D	230D	240D
Max-Power	Pm[W]	200	205	210	215	220	230	240
Power Tolerance	(%)	±3	±3	±3	±3	±3	±3	±3
Max-Power Voltage	Vm[V]	28.81	29.11	29.21	29.32	29.41	29.72	29.87
Max-Power Current	Im[A]	6.94	7.04	7.19	7.33	7.48	7.73	8.16
Open-Circuit Voltage	Voc[V]	36.01	36.38	36.51	36.65	36.76	36.96	36.98
Short-Circuit Current	Isc[A]	7.71	7.82	7.98	8.14	8.31	8.58	8.62
Max-System Voltage	(VDC)	1,000VDC						
Cell Efficiency	%	14.45	14.82	16.42	15.6	15.95	16.69	17.06
Module Efficiency	%	12.2	12.5	13.8	13.11	13.41	14.03	14.34
Number, type and arrangement of cells		60 pcs.Poly-Crystalline Silicon(6*10)						
Cell Size		6.14 "(156mm)*6.14"(156mm)						
No. of Bypass Diodes	(pcs)	3						
Max. Series Fuse	(A)	9						
Pm Temperature Coefficient	(%/°C)	-0.488						
Isc Temperature Coefficient	(%/°C)	+(0.065±0.015)						
Voc Temperature Coefficient	(%/°C)	-0.346						
NOTC-Nominal Operating Cell Temperature	(°C)	47(+/-2)						

Dimensions



Dimensions	65.03"(1652mm)*39.37"(1000mm)*1.77"(45mm)
Installation Hole	53.38"(1356mm)
Cable Length	35.43"(900mm)



Solar Power Has Never Made More Sense
Now is the Time

Maximized Power Output
 All solar cells are manufactured in Alex's own solar cell plant which enables optimal module performance, up to 12.1-14.5% high module efficiency

Low voltage-temperature coefficient allows higher power output at high-temperature condition

Antireflective coating and highly transparent glass maximize energy yield

Reliable and Robust Design
 Advanced EVA encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation

Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells

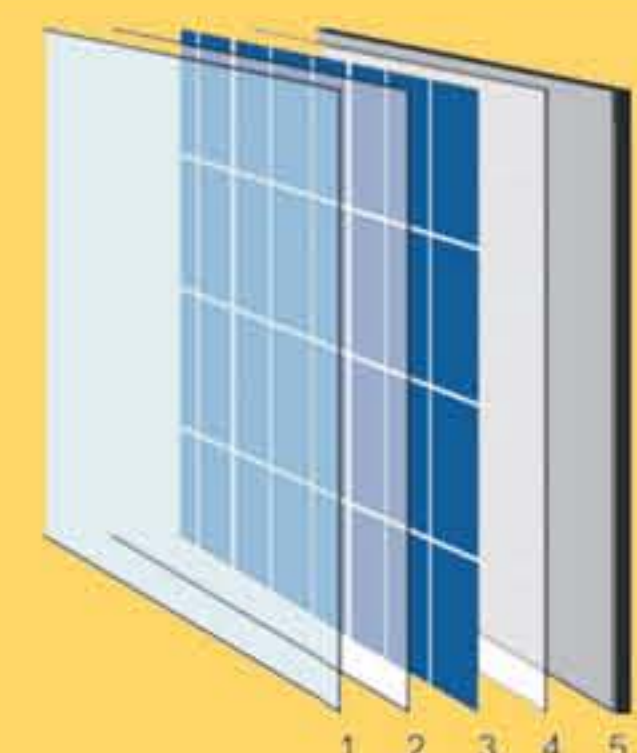
New Frame design incorporating hexagonal shaped drainage holes provide flexible installation and use

Highest Quality Standards
 RINA, IEC 61215 Ed 2, IEC 61730 certificated

Manufactured in an ISO 9001:2000 certified plant



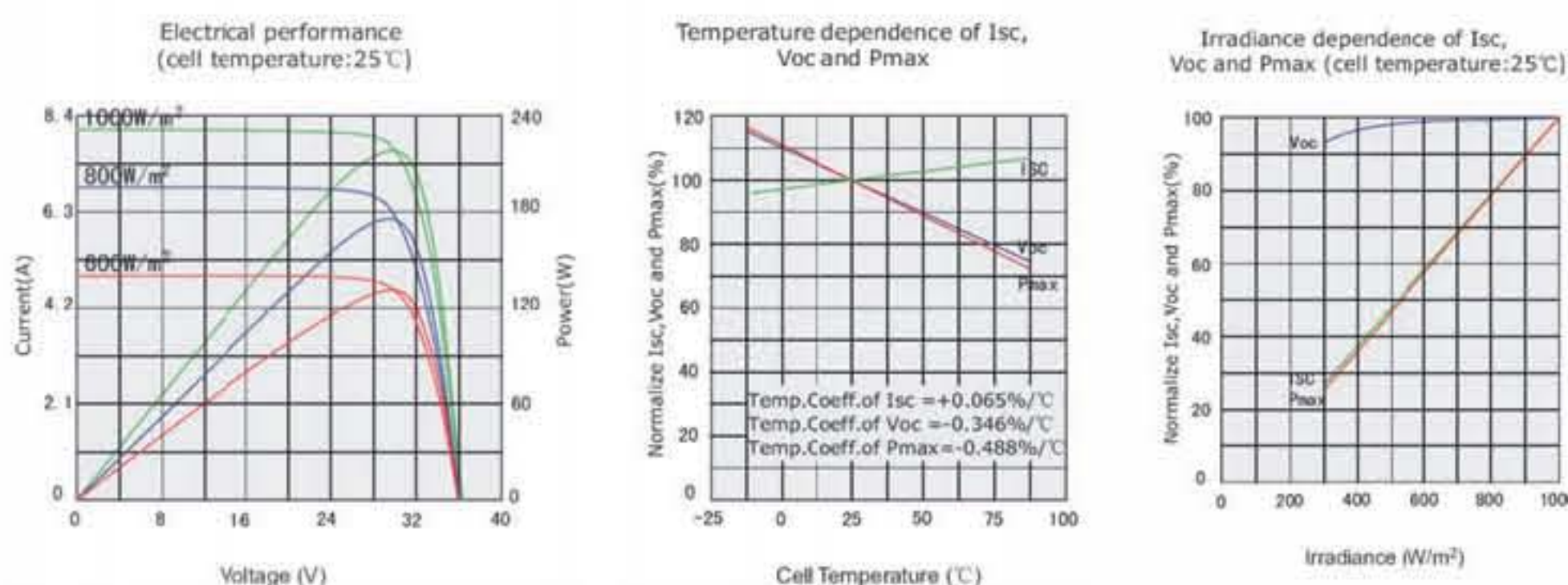
Solar Power Has Never Made More Sense
Now is the Time



- 1 Tempered glass
- 2 EVA
- 3 Cells
- 4 EVA
- 5 Triple-layer

ALP-200D-24 ALP-205D-24 ALP-210D-24 ALP-215D-24 ALP-220D-24
 ALP-225D-24 ALP-230D-24 ALP-235D-24 ALP-240D-24

ELECTRICAL CHARACTERISTICS



MECHANICAL CHARACTERISTICS

Cable type, Diameter and Length	0.0062 ² (4mm ²) TiV certified .35.43"(900mm)
Dimension	65.03"(1652mm)*39.37"(1000mm)*1.77"(45mm)
Weight	34.4lb/24.5kg
No. of Draining Holes In Frame	8
Glass, Type and Thickness	High Transmits. Low Iron. Tempered Glass0.12"(3.2mm)

PACKAGING CONFIGURATION

Packing Configuration	2pcs/ box
Quantity/Pallet	44pcs/pallet
Loading Capacity	616pcs/40ft

ABSOLUTE RATINGS

Dielectric Insulation Voltage	(VDC)	3000 max
Operating Temperature	(°C)	-40~ +85
Storage Temperature	(°C)	-40~ +85

*STC Conditions(1000W/ m², 1.5AM and 25°C Cell temperature)

ABOUT ALEXSOLAR

Shanghai Alex Solar Energy Science & Technology Co., Ltd. was set up by New Zealand HY Investment Company and Shanghai Huayi Electric Enterprise Group with capital 20 million US dollars. Alex Solar with registered capital of 5 million US dollars was founded in November 13, 2006 in Zhelin Town, Fengxian District, Shanghai, China. The production area takes up 30,000 square meters.

We take pride in providing you with the most technologically advanced and reliable solar energy products. our product line is led by our passion to design and deliver energy solutions that not only keep pace with global needs, but anticipate them as well. Whether you are looking for our energy efficient and cost effective Monocrystalline and Polycrystalline products, ALEX has the right products for any project you can imagine.

Alex Solar focus on the development, manufacture, sales and technical services of crystalline silicon solar modules, photovoltaic systems and related products.

Specifications are subjected to change without further notice

Shanghai Alex Solar Energy Science & Technology Co.,Ltd.

3111 Huhang Highway,Zhelin,Fengxian District,Shanghai,201424,China

Tel +86-21-5744-3014
 Fax +86-21-5744-7061

Email:sales@alex-solar.com