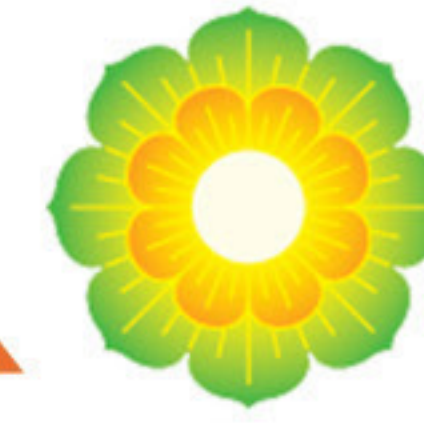
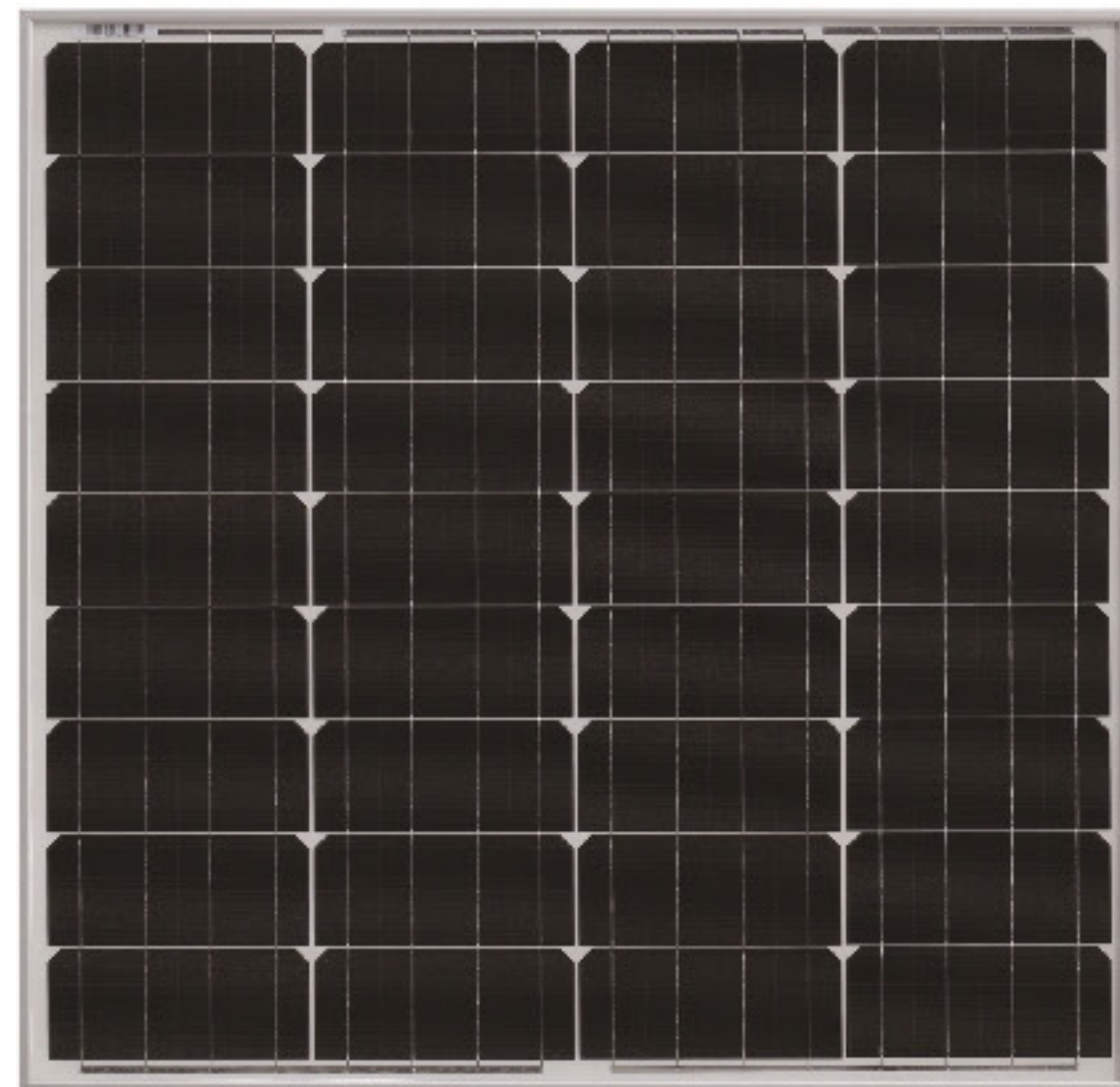




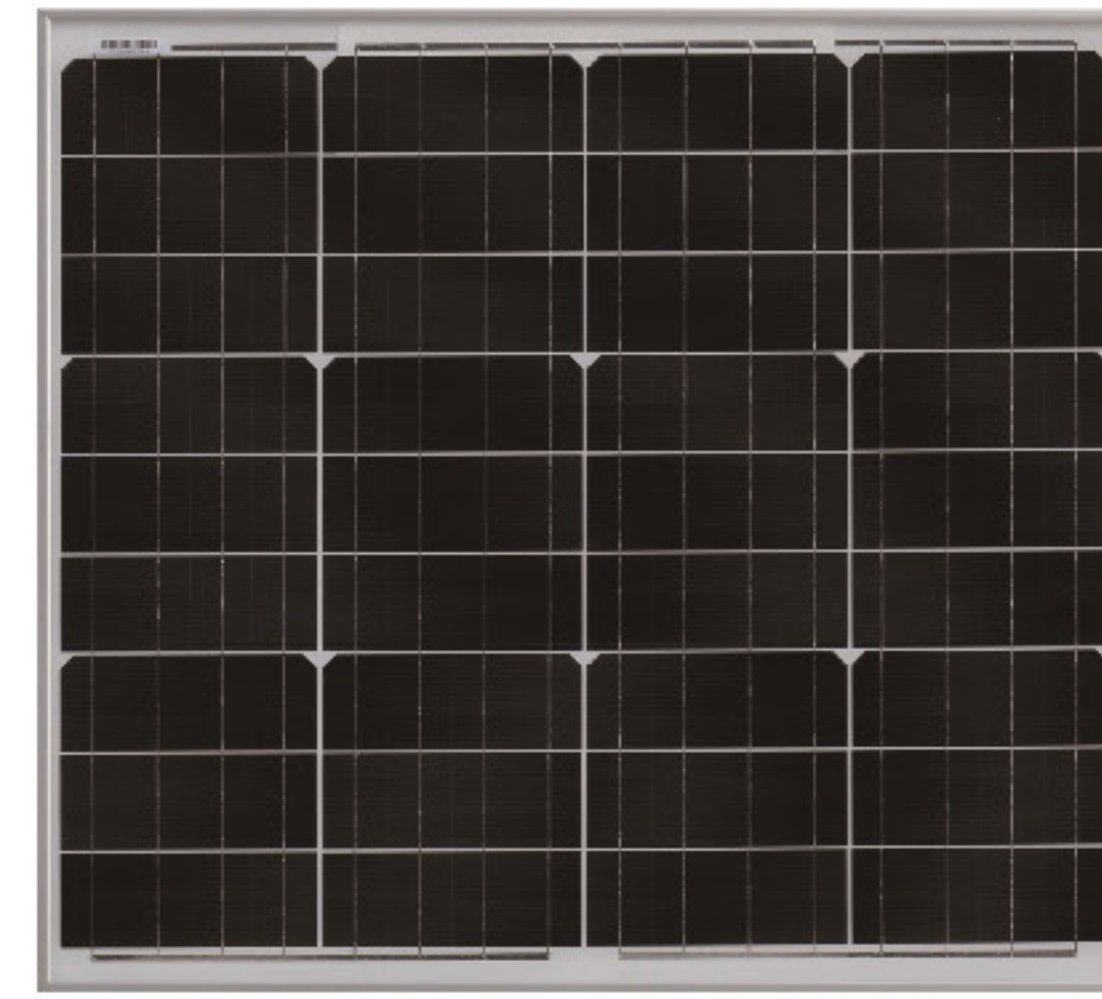
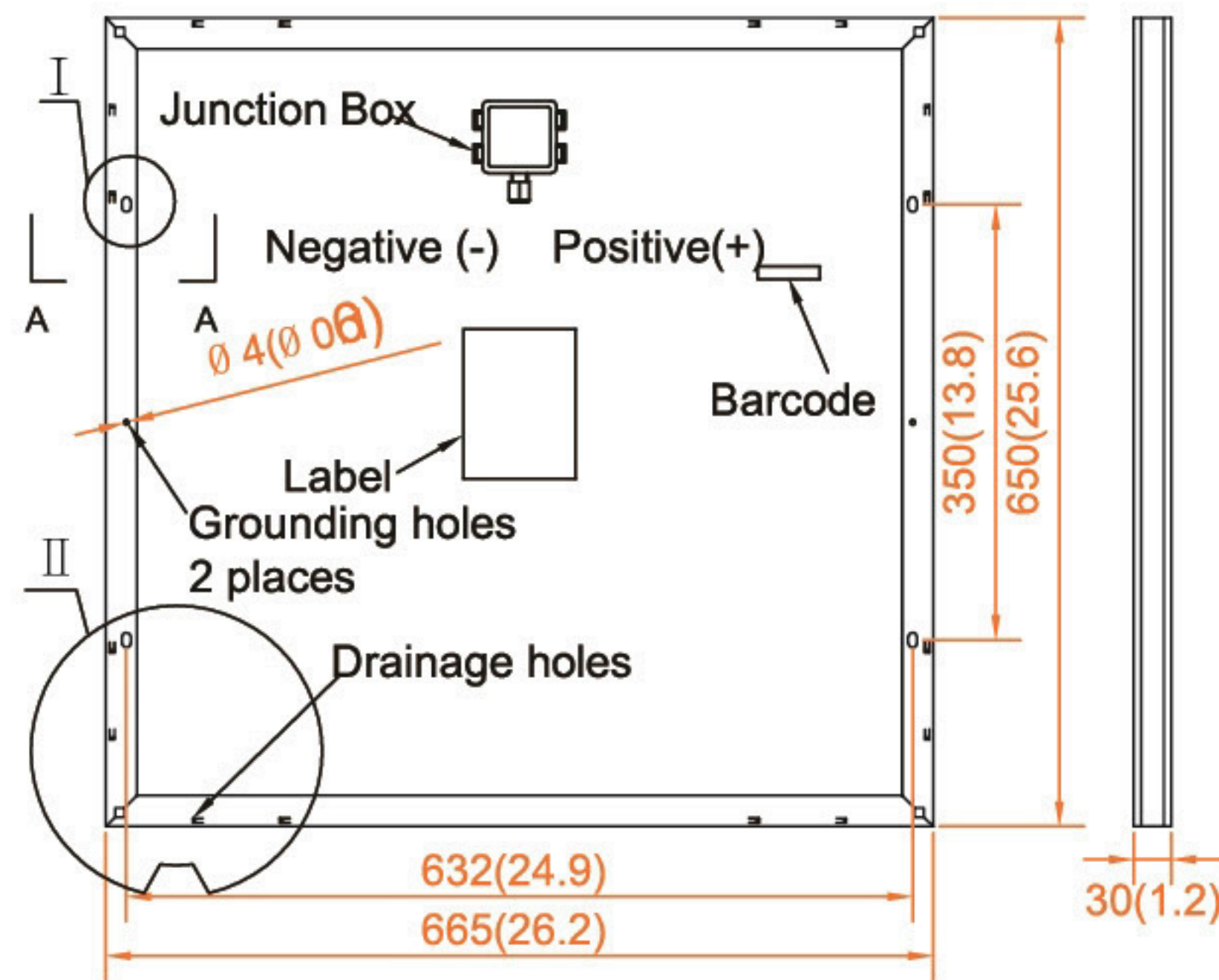
10~70 Watt



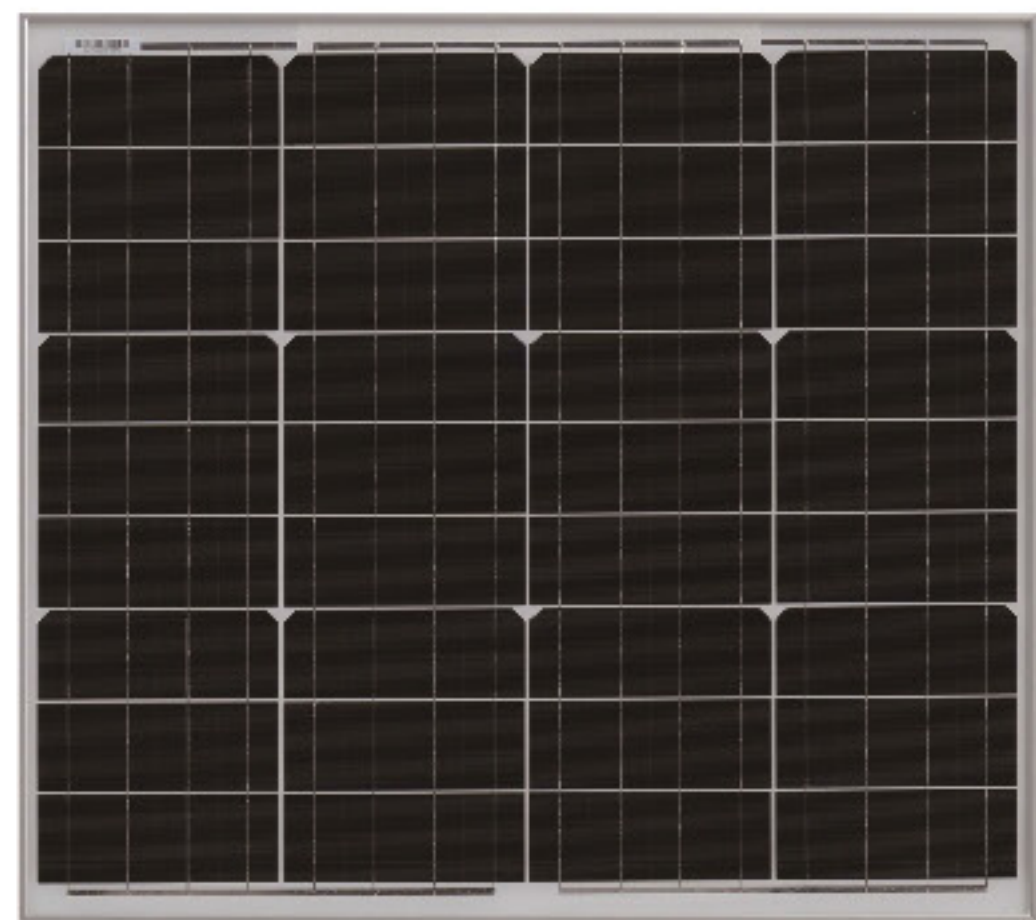
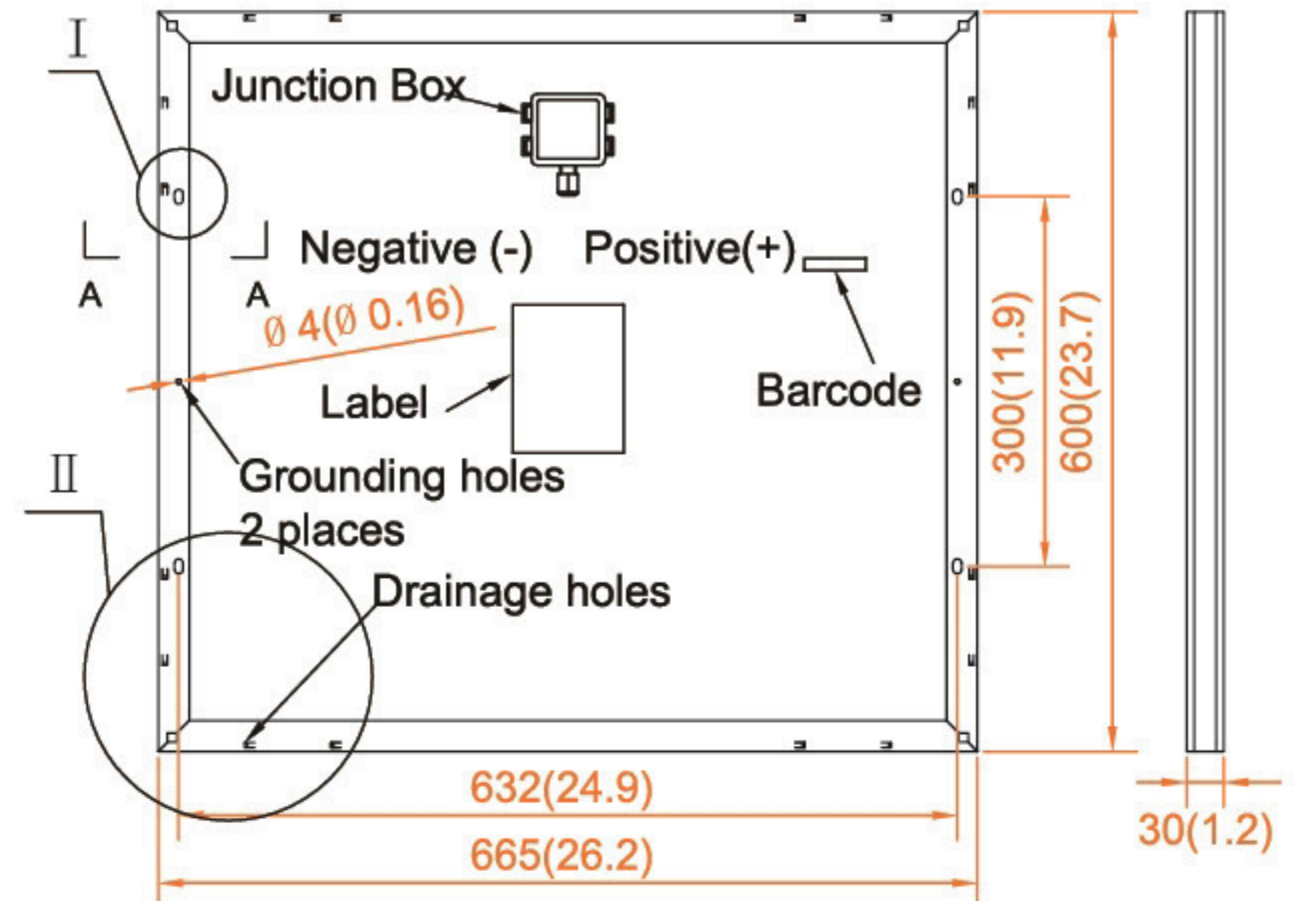
*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST



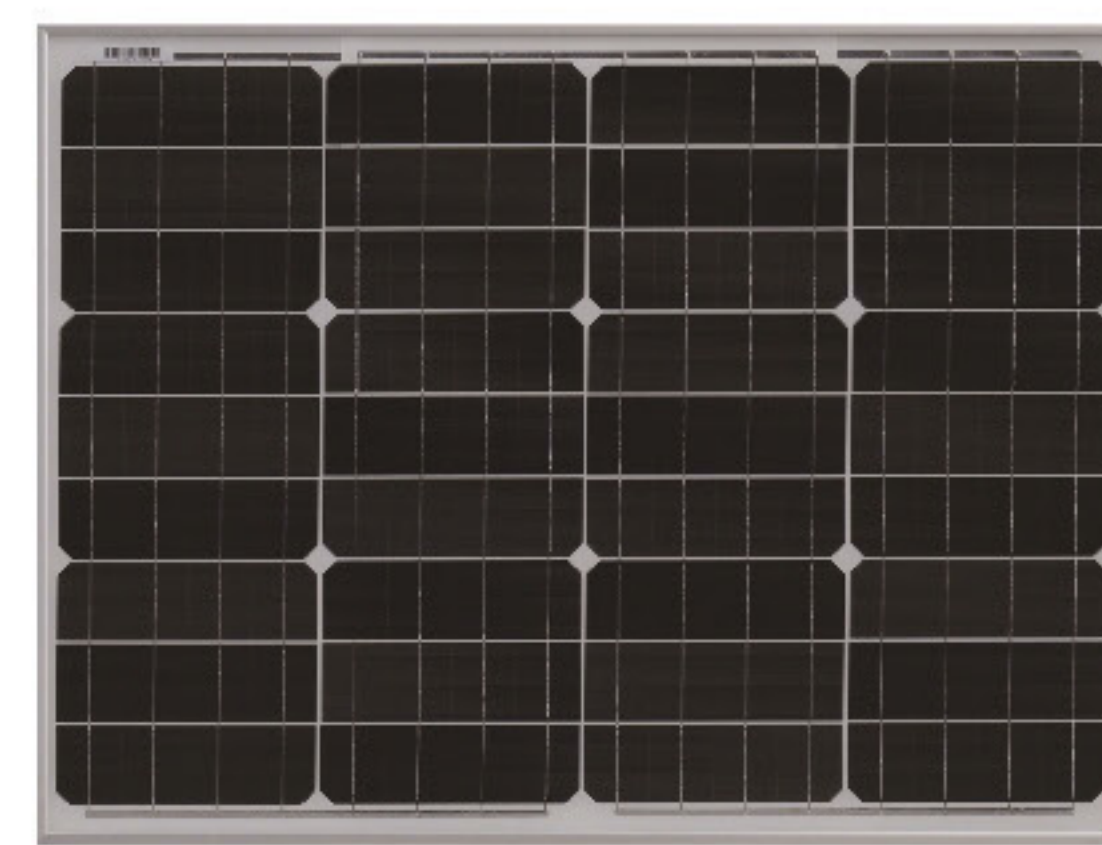
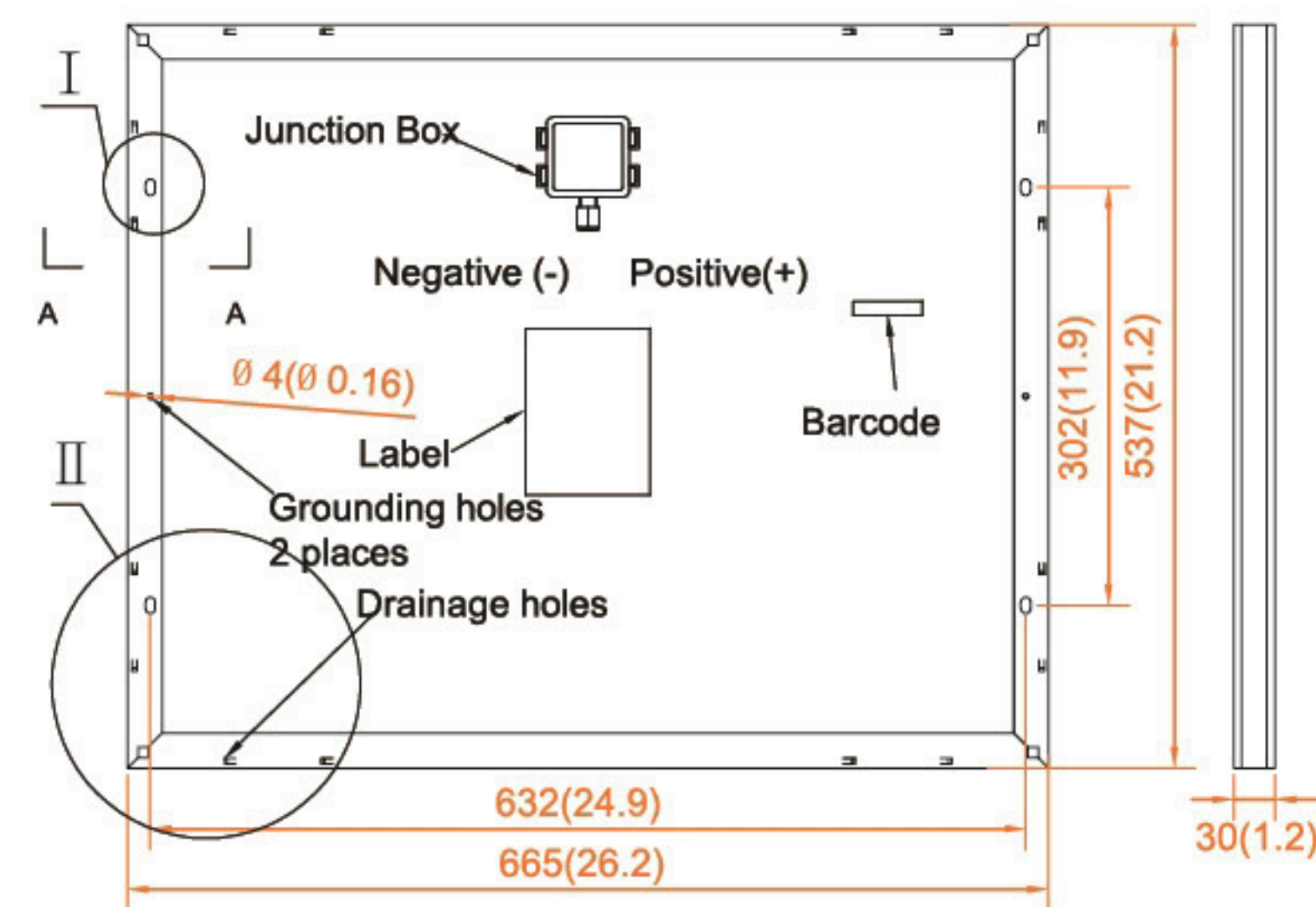
65W-70W



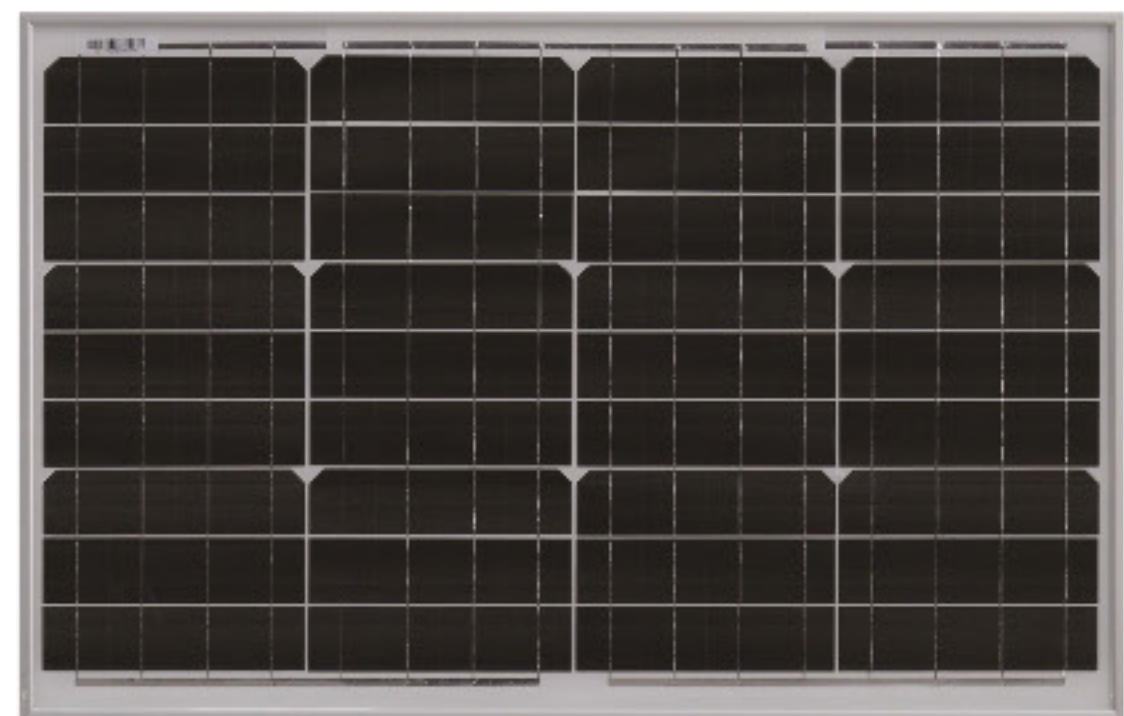
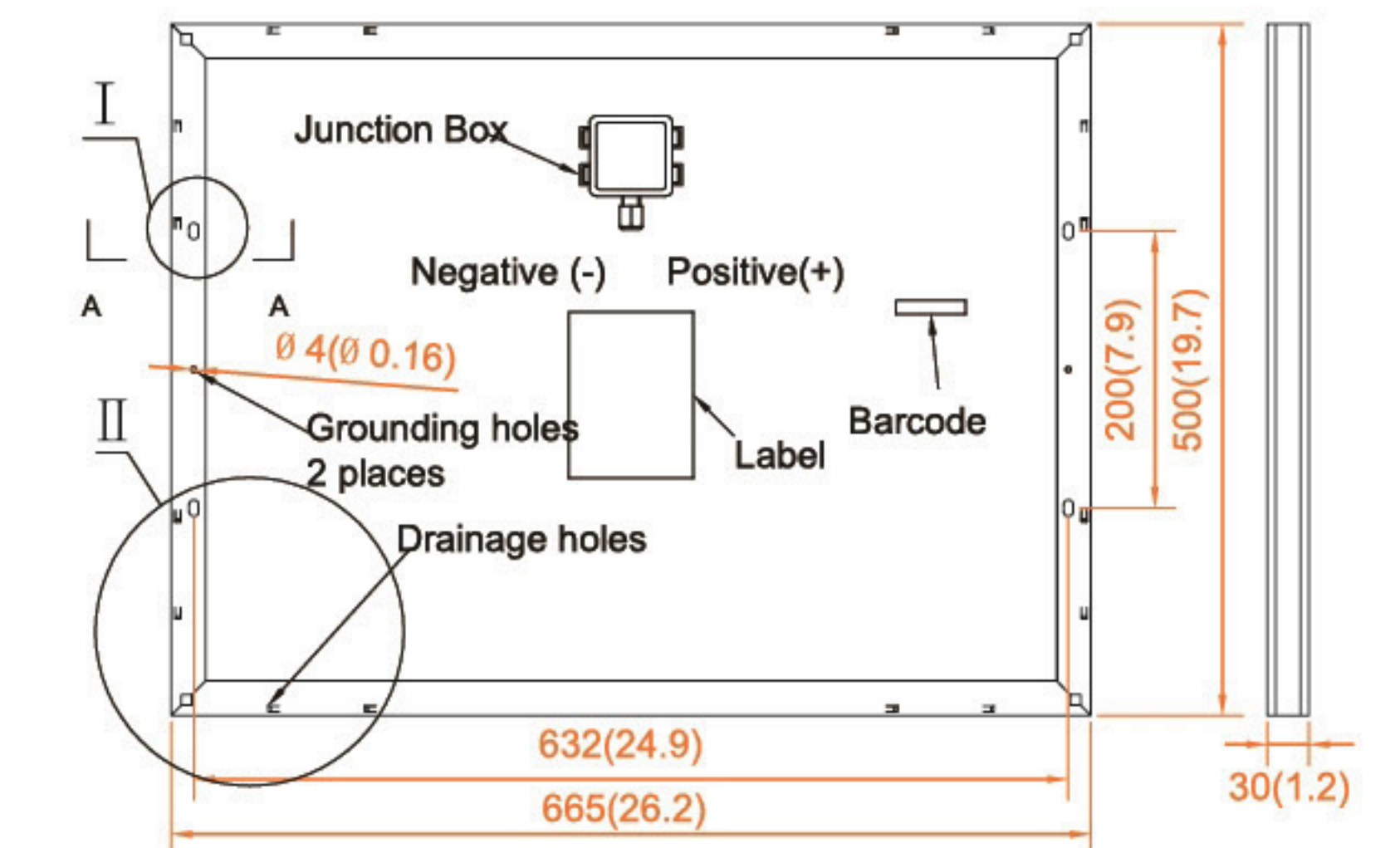
60W



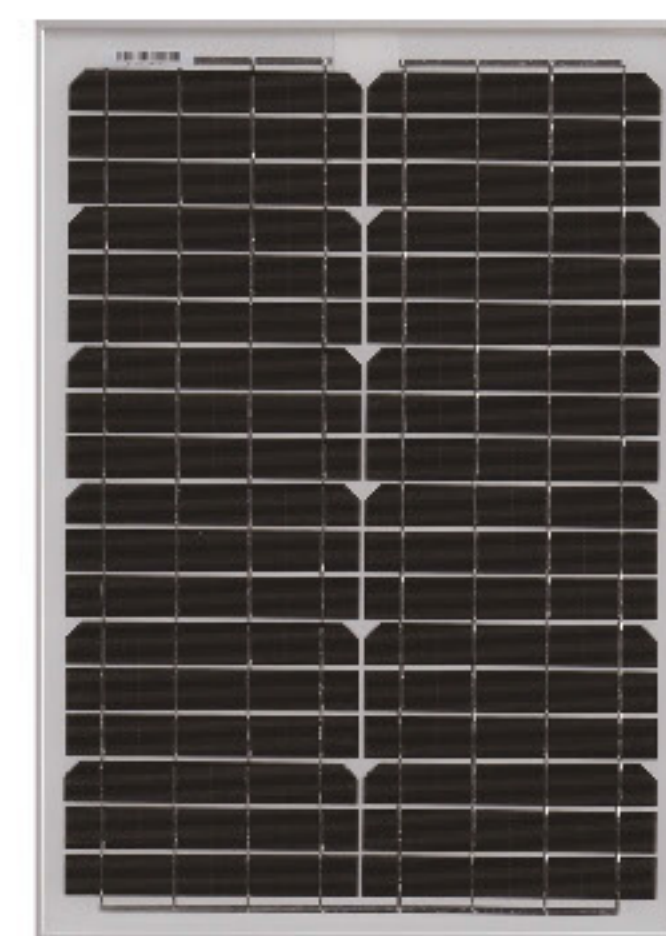
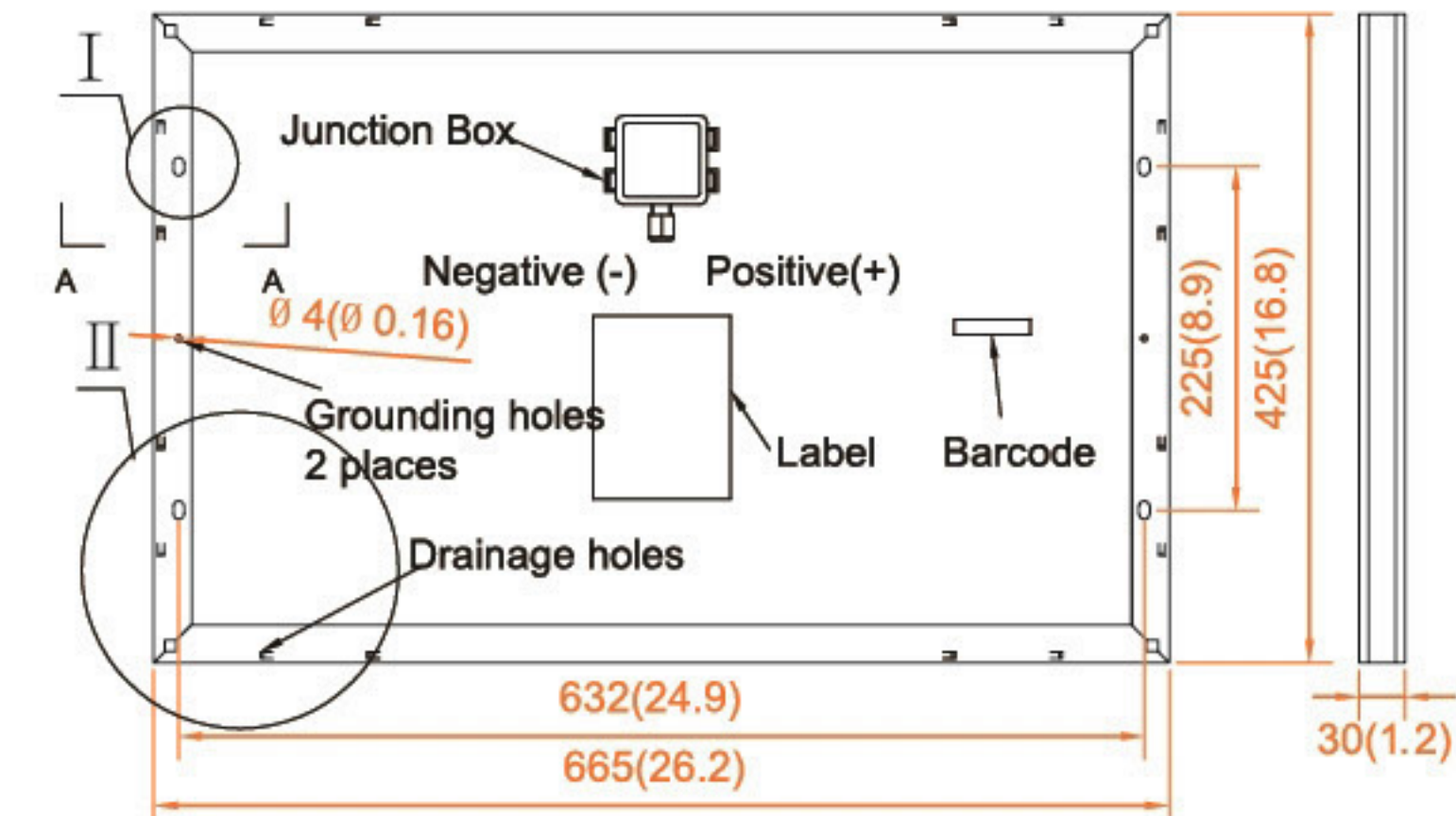
55W



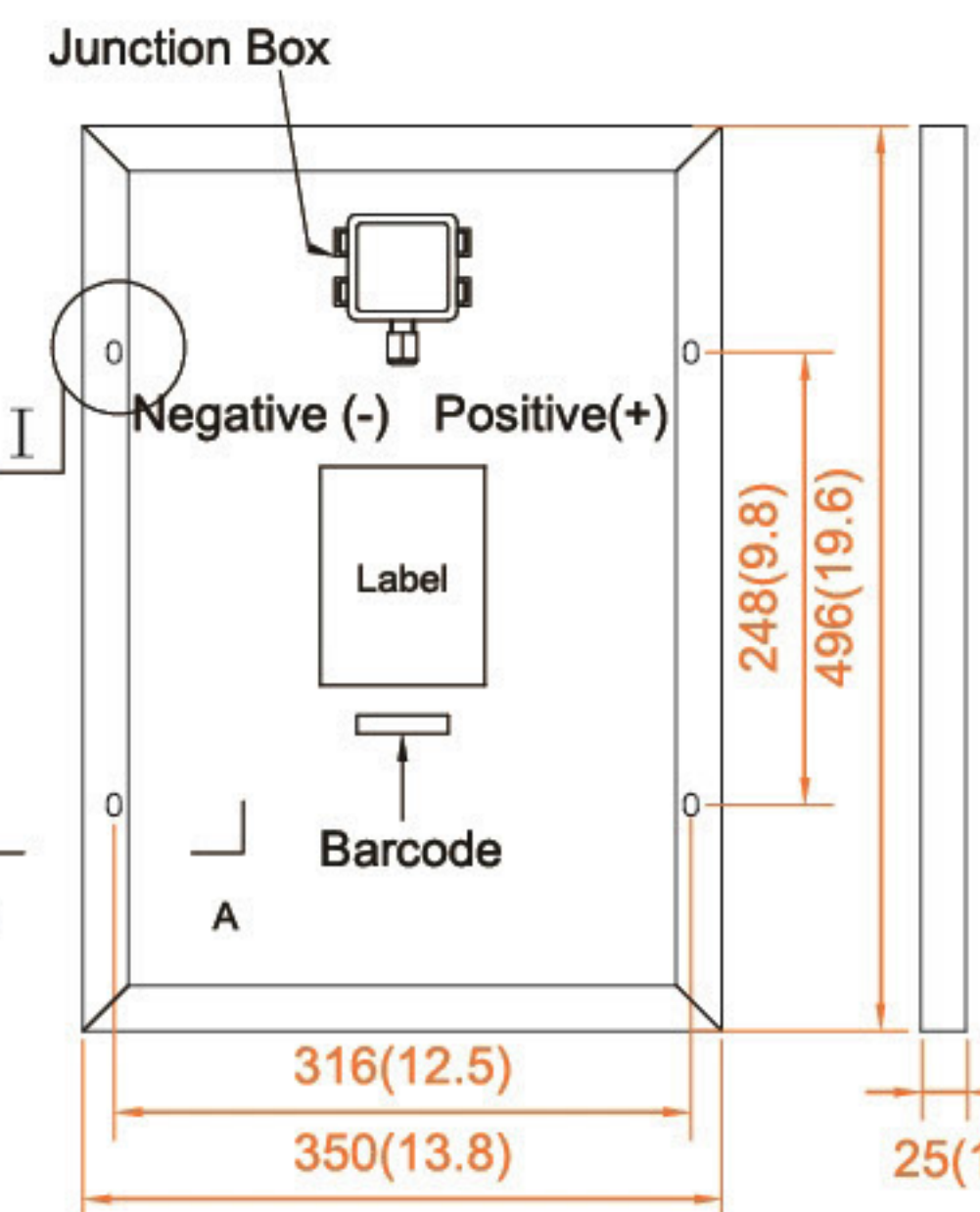
45W-50W



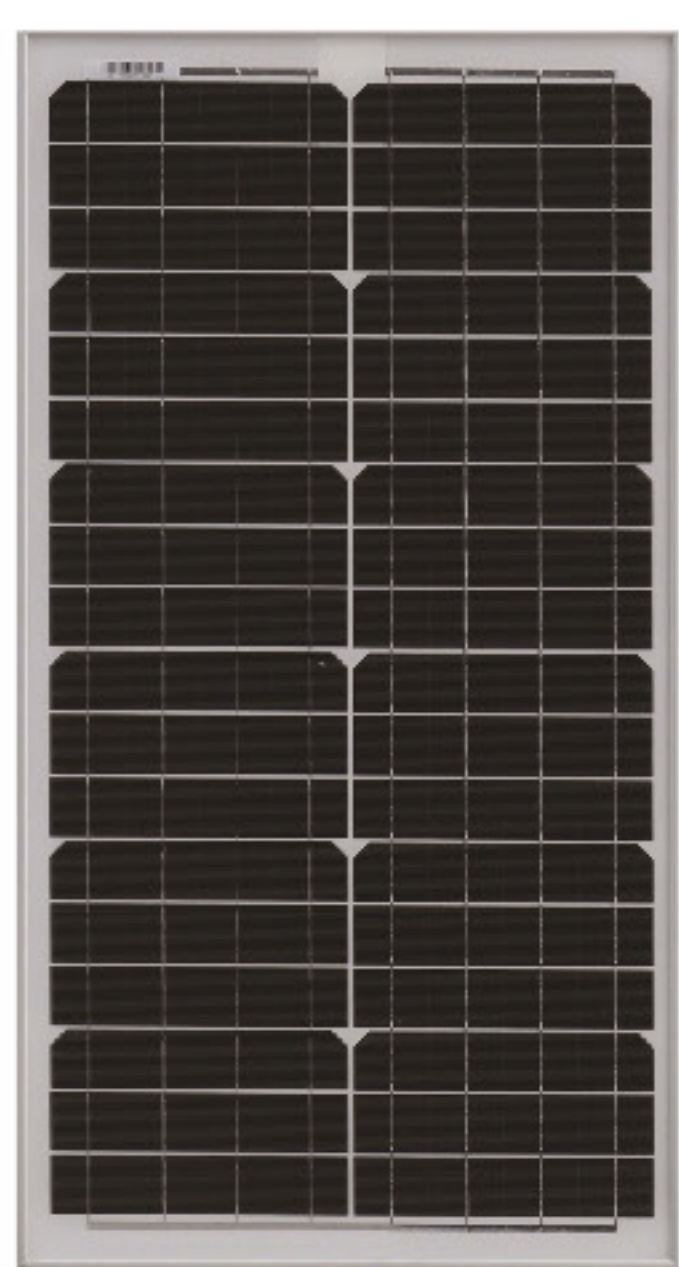
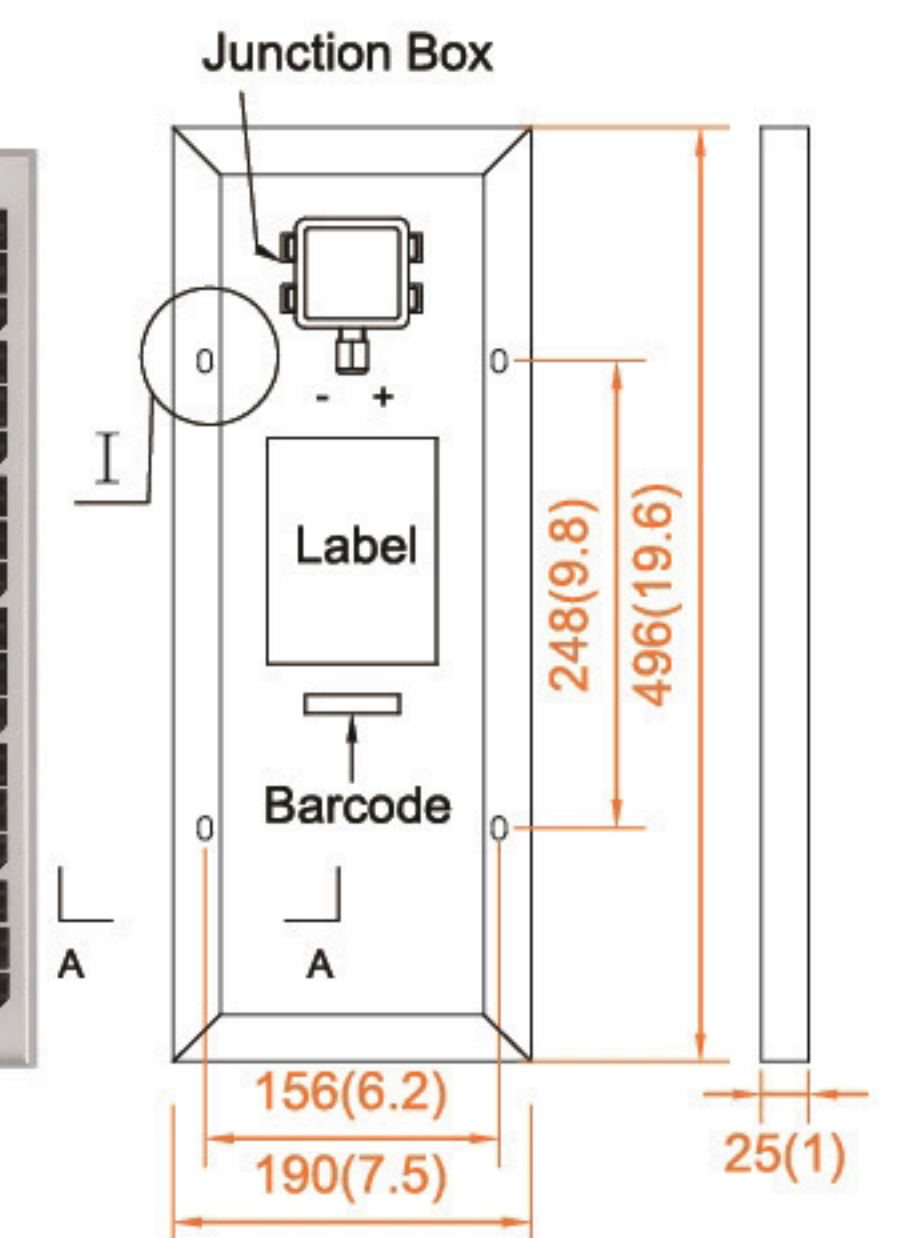
35W-40W



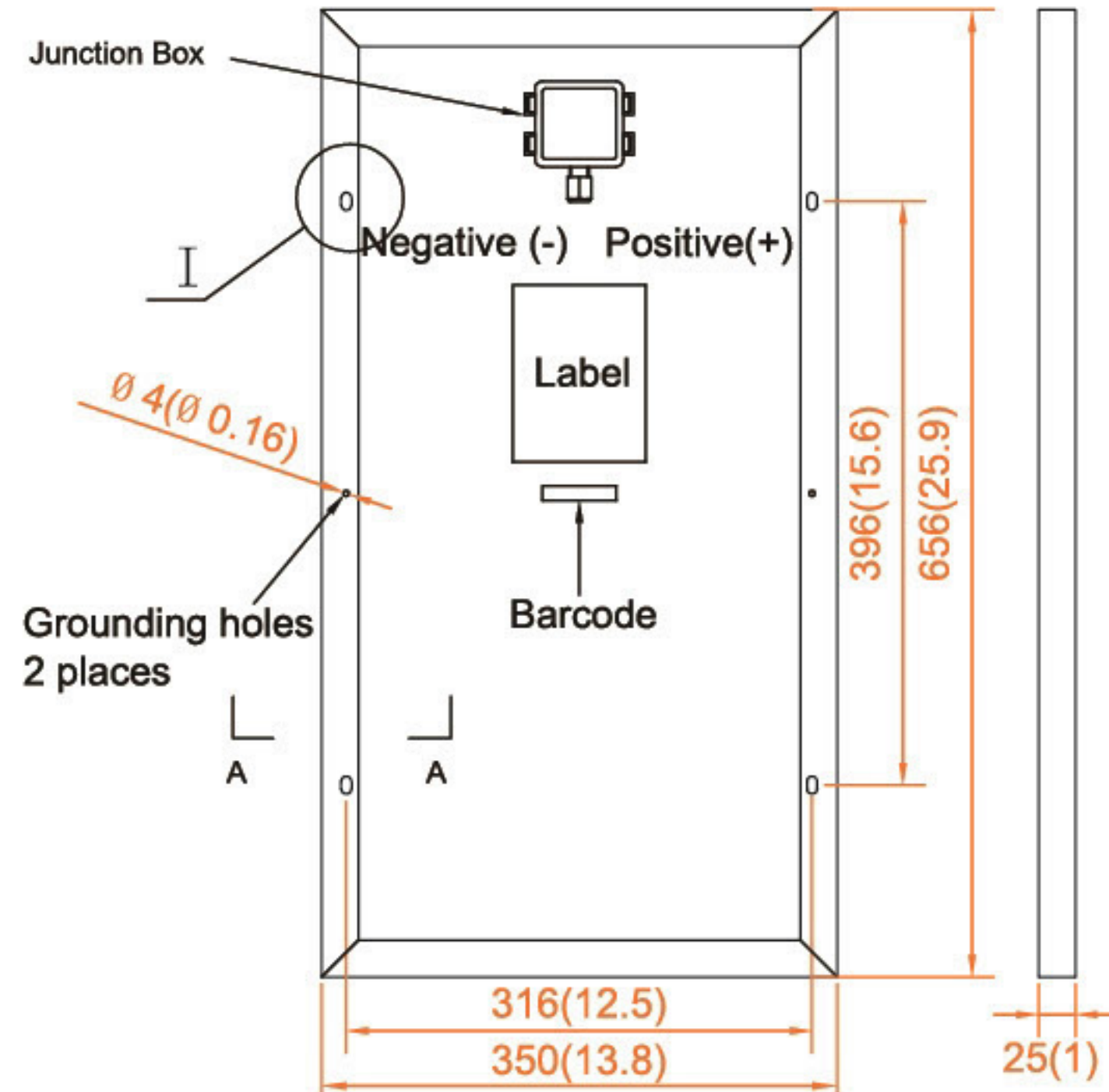
20W



10W



30W



MANAGEMENT SYSTEM



ISO 9001: Quality management system



ISO 14001: Standard for environmental management system



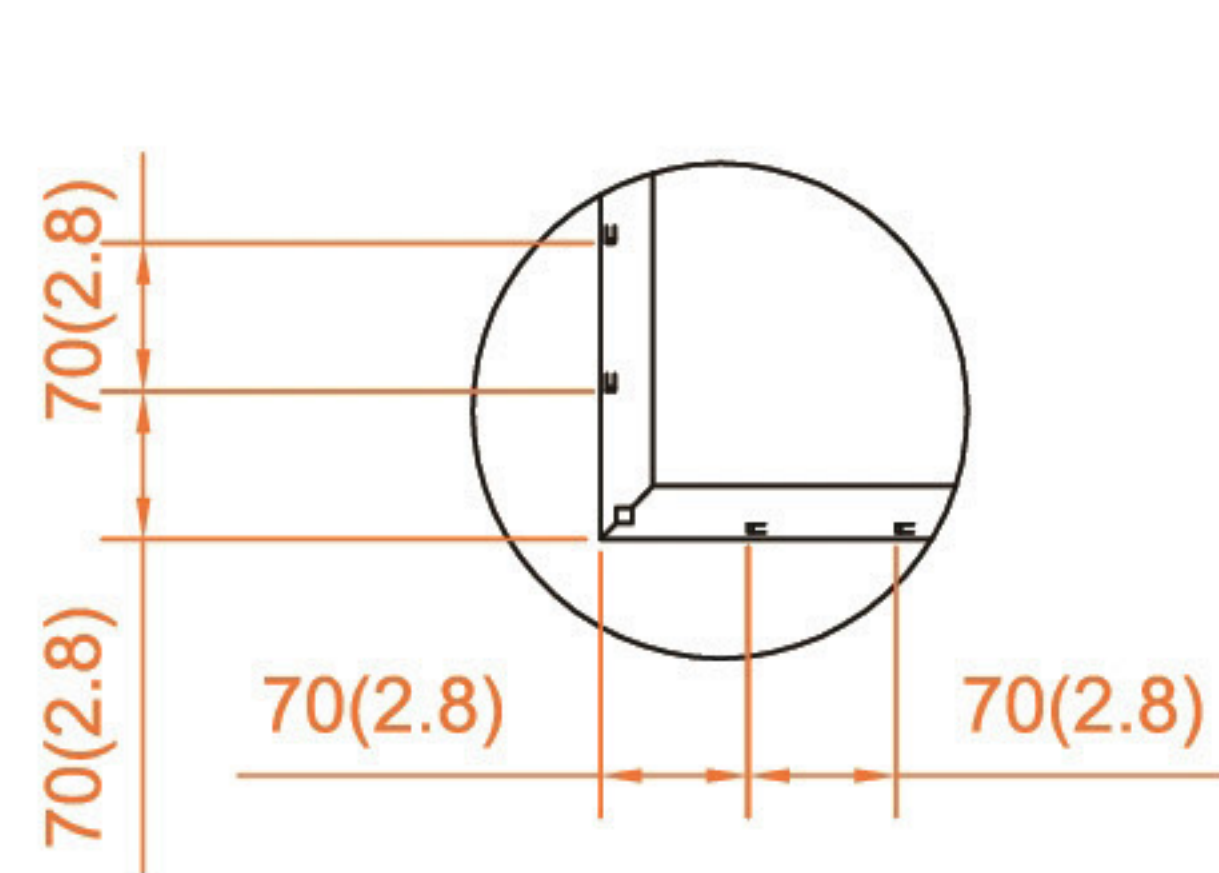
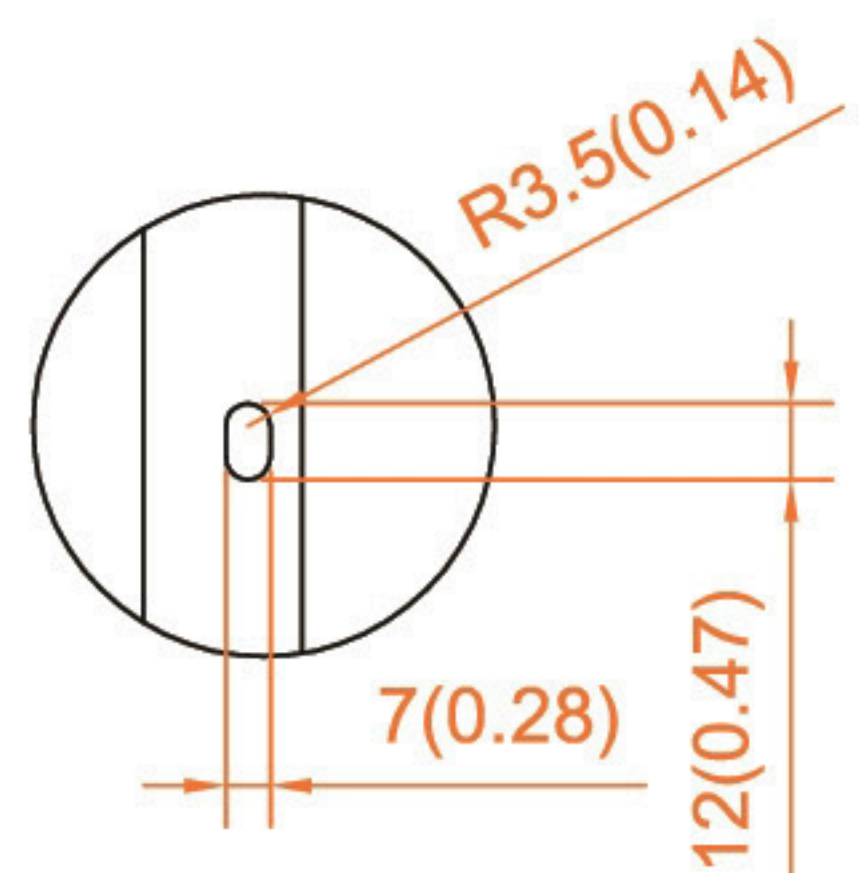
OHSAS 18001: International standard for occupational health and safety assessment system

*All Dimensions in mm(inch)

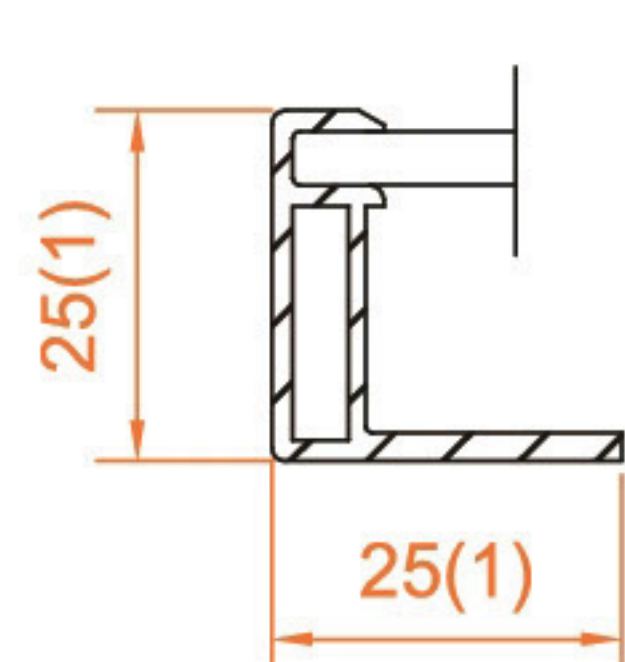
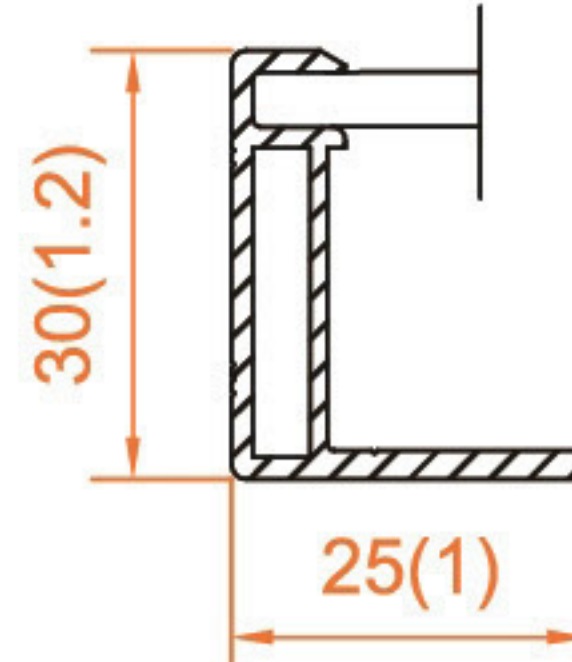
*The above drawing is a graphical representation of the product.

For engineering quality drawings please contact KFSOLAR.

PRODUCT CERTIFICATES



Section:A-A



Electrical Characteristics (STC)

Module Type	KF10M-12	KF20M-12	KF30M-12	KF35M-12	KF40M-12	KF45M-12
Maximum Power- Pmax(W)	10	20	30	35	40	45
Open Circuit Voltage - Voc(V)	22.1	22.1	22.6	22.1	22.8	22.2
Short- Circuit Current - Isc(A)	0.60	1.19	1.76	2.09	2.32	2.67
Voltage at Pmax -Vmp(V)	18.1	18.1	18.4	18.1	18.6	18.2
Current at Pmax - Imp(A)	0.55	1.10	1.63	1.93	2.15	2.47
Module Efficiency - η m (%)	10.61	11.52	13.07	12.38	14.15	13.53

Module Type	KF50M-12	KF55M-12	KF60M-12	KF65M-12	KF70M-12
Maximum Power- Pmax(W)	50	55	60	65	70
Open Circuit Voltage - Voc(V)	22.8	22.8	22.8	22.6	22.8
Short- Circuit Current - Isc(A)	2.90	3.19	3.48	3.82	4.06
Voltage at Pmax -Vmp(V)	18.6	18.6	18.6	18.4	18.6
Current at Pmax - Imp(A)	2.69	2.96	3.23	3.53	3.76
Module Efficiency - η m (%)	15.04	15.40	15.04	15.04	16.19

STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass 1.5
Power measurement tolerance:0~+3%

Mechanical Specifications

Module Type	KF65M/70M-12	KF60M-12	KF55M-12	KF45M/50M-12
Dimensions	650×665×30mm	600×665×30mm	537×665×30mm	500×665×30mm
Weight	5.2kg	4.8kg	4.3kg	4.0kg
Mono Solar Cells	66×156mm (36pcs)	58.5×156mm (36pcs)	52×156mm (36pcs)	48×156mm (36pcs)

Module Type	KF35M/40M-12	KF30M-12	KF20M-12	KF10M-12
Dimensions	425×665×30mm	656×350×25mm	496×350×25mm	496×190×25mm
Weight	3.4kg	2.5kg	2.0kg	1.2kg
Mono Solar Cells	39×156mm (36pcs)	31.2×156mm (36pcs)	22.28×156mm (36pcs)	22.28×78mm (36pcs)

Front glass	3.2 mm low iron tempered glass	Frame	Anodized aluminum alloy.
Junction Box	IP67	Mechanical Load	5400 Pa

Packing Configuration

Module Type	KF65M/70M-12	KF60M-12	KF55M-12	KF45M/50M-12
Carton Dimensions	665×680×175mm	615×680×175mm	552×680×175mm	515×680×175mm
Pallet Dimensions	1370×1100×2170mm	1270×1100×2170mm	1400×1130×2170mm	1400×1100×2190mm
Pallet Weight	1012.8kg	940.8kg	1110kg	1038kg
Pieces/Pallet	180(5pcs/carton)	180(5pcs/carton)	240(5pcs/carton)	240(5pcs/carton)

Module Type	KF35M/40M-12	KF30M-12	KF20M-12	KF10M-12
Carton Dimensions	440×680×175mm	670×280×365mm	510×390×365mm	510×390×400mm
Pallet Dimensions	1360×1100×2170mm	1370×1150×1960mm	1600×1050×1960mm	1600×1050×2135mm
Pallet Weight	996.6kg	1070kg	1190kg	1414kg
Pieces/Pallet	270(5pcs/carton)	400(10pcs/carton)	560(14pcs/carton)	1120(28pcs/carton)

I-V Curve (KF50M-12)