

# High efficiency, High output Mountable in areas along the sea or with high ammonia levels



## ESP6-60-245-280/SI

■ Polycrystalline module (6 inches x 60 cells) ■

### ■ Features



Industrial use  
 High-efficiency polycrystalline  
 module



Offers high module conversion  
 efficiency.



Low-reflection glass for  
 enhanced light absorption



Cleans dust, etc., from the  
 surface together with rainwater  
 and reduces generation loss.



Gives high output even in the  
 early morning, evening, cloudy  
 days, or rainy days.



Durability bearing large loads  
 (Max. wind pressure: 2400 Pa,  
 Max. snow resistance: 5400 Pa)



Superior salt damage  
 resistance and ammonia  
 resistance



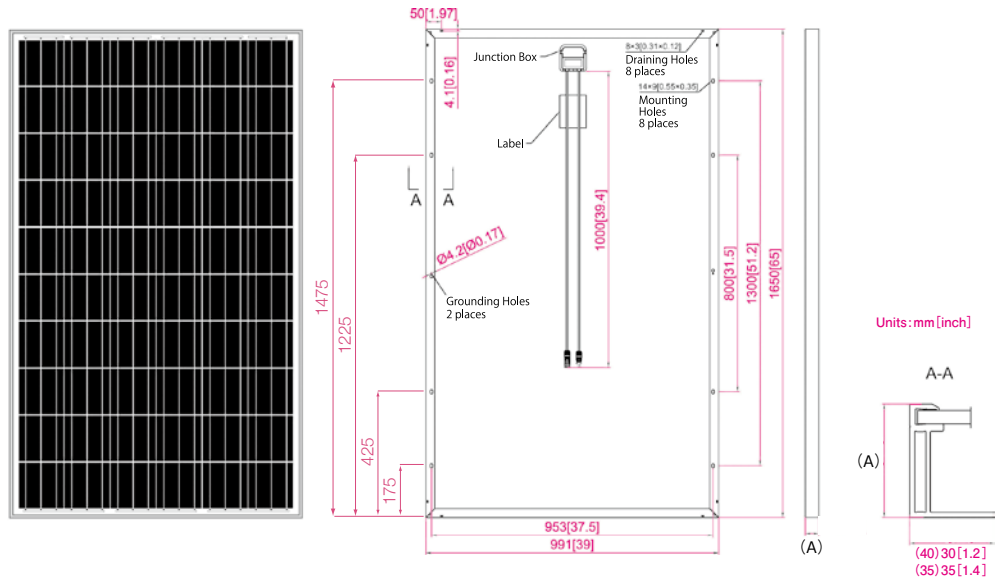
25-year output warranty

### ■ Reliable quality

- Positive tolerance (0 to +5 W) output is warranted.
- All products are double-EL inspected to eliminate defects completely.
- Stabilized current improves the generation amount of the system.



## Outside dimensions



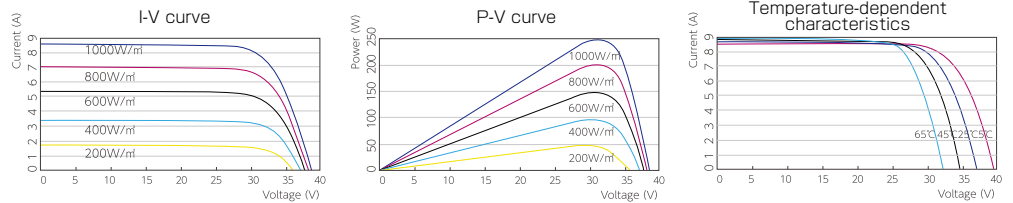
## Mechanical performance

Cell type	Polycrystalline 156 x 156 mm (6 inches)	Max. system voltage	DC 1000V (TüV)
Weight	18.5/16.2kg±0.5%	Operating temperature of module	-40°C~+85°C
Outside dimensions	1650L×991W×40/35(A)Hmm	Max. series fuse rating	15A
Output cable	4mm <sup>2</sup>	Withstand load	Front: Snow pressure/wind pressure
Number of cells	60 cells (6 cells x 10 cells)		5400Pa (112 lb / ft <sup>2</sup> )
Bypass diode	3	Rear: Wind pressure	2400Pa (50 lb / ft <sup>2</sup> )
Connector	MC4-compatible connector	Nominal operating cell temperature (NOCT)	45±2°C
Package construction (each pallet)	26 PCS / 30 PCS	Applicable grade	Class A



**ESP6-60-245-280/SI**

## Characteristics



## Electrical characteristics and temperature characteristics

TYPE	ESP6 60-245/SI	ESP6 60-250/SI	ESP6 60-255/SI	ESP6 60-260/SI	ESP6 60-265/SI	ESP6 60-270/SI	ESP6 60-275/SI	ESP6 60-280/SI
Nominal max. output (W)	245	250	255	260	265	270	275	280
Nominal max. voltage (Voc/V)	37.45	37.54	37.62	37.73	38.18	38.49	38.76	39.06
Nominal max. operating voltage (Vmp/V)	29.63	29.98	30.36	30.77	31.94	32.25	32.52	32.82
Nominal short-circuit current (Isc/A)	8.78	8.84	8.88	8.91	8.86	8.92	9.00	9.05
Nominal max. operating current (Imp/A)	8.27	8.34	8.40	8.45	8.31	8.39	8.45	8.55
Conversion efficiency of module (%)	15.08	15.39	15.70	16.00	16.23	16.55	16.81	17.16
Tolerance	-0~+5W							
Temperature coefficient (αIsc)	+0.062%/°C							
Temperature coefficient (βVoc)	-0.330%/°C							
Temperature coefficient (γPmp)	-0.450 %/°C							
STC (standard testing conditions)	1000W/m <sup>2</sup> , 25°C, AM 1.5g							