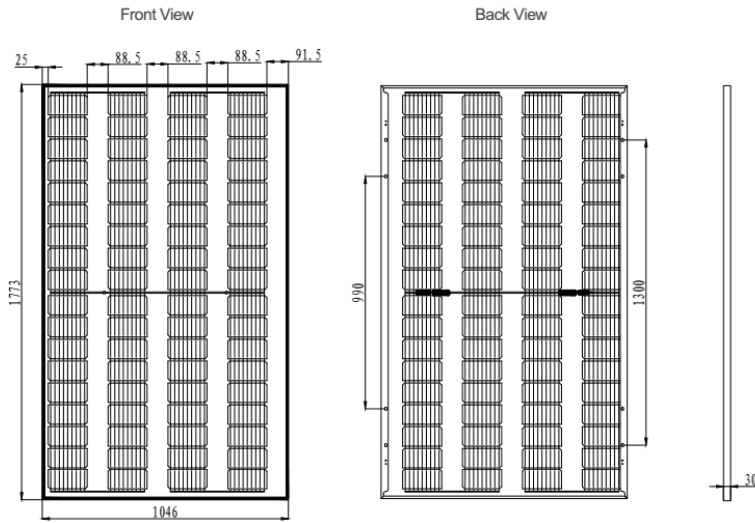


## ENGINEERING DRAWING

## MECHANICAL SPECIFICATIONS



Cell Type	Mono crystalline
No. of Cells	72(4*18)
Module Dimension [mm]	1773*1046*30
Weight [Kg]	23.0
Front Glass [mm]	2.0 Semi tempered coated glass
Interlayer	EVA
Back Glass [mm]	2.0 Semi tempered glass
Junction Box	IP68 Rated, 2 bypass diodes
Connector	MC4 or equivalent
Frame	30mm Aluminum frame
Maximum load capacity [Pa]	2400(back side)/5400(front side)

## ELECTRICAL CHARACTERISTICS

Module Type		BPDMJ36-220	BPDMJ36-225	BPDMJ36-230
STC	Maximum Power [Pmax]	[W] 220	225	230
	Open Circuit Voltage [Voc]	[V] 24.95	25.13	25.27
	Short Circuit Current [Isc]	[A] 11.64	11.66	11.68
	Voltage at Maximum Power [Vmp]	[V] 20.62	20.91	21.15
	Current at Maximum Power [Imp]	[A] 10.67	10.76	10.87
	Module Efficiency	[%] 17.8	18.1	18.3
	Power Tolerance	[W]		0~+5
NMOT	Maximum Power [Pmax]	[W] 164	168	172
	Open Circuit Voltage [Voc]	[V] 23.3	23.5	23.6
	Short Circuit Current [Isc]	[A] 9.39	9.40	9.42
	Voltage at Maximum Power [Vmp]	[V] 18.9	19.2	19.4
	Current at Maximum Power [Imp]	[A] 8.69	8.76	8.86
	Power Tolerance	[W]		0~+5

STC: Air Mass AM1.5, Ir-radiance 1000W/m<sup>2</sup>, Cell temperature 25°C. NMOT: Air Mass AM1.5, Ir-radiance 800W/m<sup>2</sup>, Ambient temperature 20°C, wind speed 1m/s. Bifaciality=75±5%

## SCOPE OF WORK

Maximum System Voltage	[V]	1000 or 1500 DC(IEC)
Operating Temperature	[°C]	-40~+85
Nominal Operating Cell Temperature	[°C]	45±3
Maximum Series Fuse Rating	[A]	20
Fire Rating	-	Class C

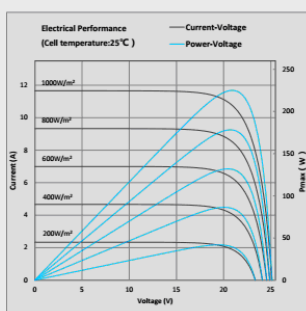
## TEMPERATURE COEFFICIENTS

Temperature Coefficient of Pmax	[%/°C]	-0.35
Temperature Coefficient of Voc	[%/°C]	-0.28
Temperature Coefficient of Isc	[%/°C]	0.046

## PACKAGE CONFIGURATION

36pcs per pallet      864pcs per 40" HQ

## ELECTRICAL CURVES



I-V Curve  
P-V Curve



## LINEAR PERFORMANCE WARRANTY

NO MORE THAN 0.45% ANNUAL DEGRADATION OVER 30 YEARS

