

# Opaque mono-crystal modules-60 cells

瓷白非透光单晶组件—60片



## 结构参数

# Mechanical Specifications

Parameter/参数	Value/数值
Cell Type/电池类型	Mono crystalline/单晶硅 (156mm*156mm)
Solar Cells/电池片数量[片]	60(6*10)
Length*Width*Thickness/长*宽*厚[mm]	1658*992*6
Weight/重量[Kg]	23.0
Front Glass/前板玻璃[mm]	2.5 (Low iron semi tempered coated glass/低铁压花半钢化镀膜玻璃)
Interlayer/中间层[mm]	EVA/POE
Back Glass/背板玻璃[mm]	2.5 (Float semi tempered glass/浮法半钢化玻璃)
Junction Box/接线盒	IP67 Rated, 3 by-pass diodes /3个旁路二极管, 满足IP67安全防护等级
Connector/连接器	Multi-Contact MC-4(or equivalent)/MC-4连接器 (或同类产品)
Transmittance/透光率[%]	0
Maximum Load Capacity/机械负载[Pa]	2400(风压)/5400(雪压)

## 电学性能

# Electrical Characteristics

Parameter/参数		DM60-270	DM60-275	DM60-280	DM60-285
STC : 光谱 AM1.5, 辐照度 1000W/m <sup>2</sup> , 电池温度25°C	Maximum Power at STC [Pmax]/标测下最大功率 [W]	270	275	280	285
	Open Circuit Voltage [Voc]/开路电压 [V]	38.80	38.98	39.15	39.25
	Short Circuit Current [Isc]/短路电流 [A]	8.92	9.00	9.05	9.09
	Voltage at Maximum Power point[Vm]/最大功率点电压 [V]	31.98	32.20	32.35	32.50
	Current at Maximum Power point[Im]/最大功率点电流 [A]	8.45	8.54	8.65	8.77
	Power Tolerance /功率偏差 [%]	0~+3%			
	Module Efficiency/转换效率 [%]	16.4	16.7	17.0	17.3
NOCT : 光谱 AM1.5, 辐照度 800W/m <sup>2</sup> , 环境温度20°C, 风速1m/s	Maximum Power at NOCT [Pmax]/NOCT下最大功率 [W]	201	204	208	211
	Open Circuit Voltage [Voc]/开路电压 [V]	35.75	35.95	36.10	36.25
	Short Circuit Current [Isc]/短路电流 [A]	7.32	7.39	7.46	7.50
	Voltage at Maximum Power point[Vm]/最大功率点电压 [V]	28.92	29.10	29.25	29.40
	Current at Maximum Power point[Im]/最大功率点电流 [A]	6.95	7.02	7.11	7.18
Power Tolerance /功率偏差 [%]	0~+3%				

## 工作范围

# Scope of Work

Parameter/参数	Unit / 单位	Value/数值
Maximum System Voltage /最大系统电压	[V]	1000 DC(IEC)或1500 DC(IEC)
Operating Temperature /工作温度范围	[°C]	-40~85
Nominal Operating Cell Temperature/额定电池工作温度	[°C]	45±3
Maximum rated current/最大保险丝额定电流	[A]	15

## 温度系数

# Temperature Coefficients

Parameter/参数	Unit / 单位	Value/数值
Temperature Coefficient of Pmax/最大功率温度系数	[%/°C]	-0.42
Temperature Coefficient of Voc/开路电压温度系数	[%/°C]	-0.33
Temperature Coefficient of Isc/短路电流温度系数	[%/°C]	0.04

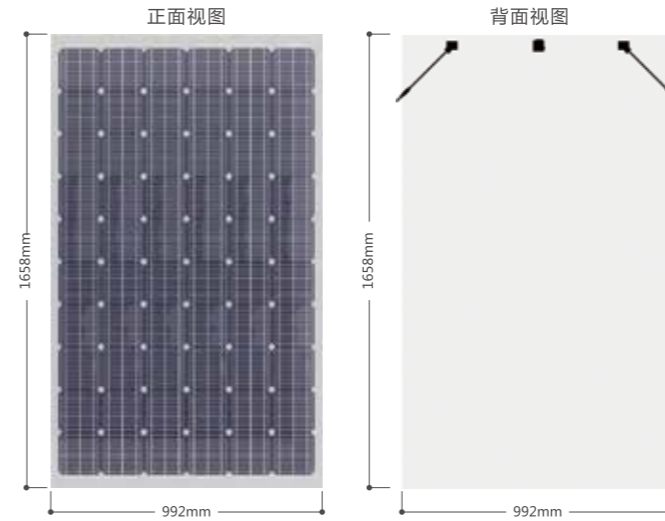
## 包装信息

# Package Configuration

Package Size	Container	20'GP	40'GP	40'HQ
1780×1120×1160mm	pieces for pallet	36	36	36
	pallets for Container	6	13	26
	pieces for Container	216	468	936

## 结构视图

# Module Layout



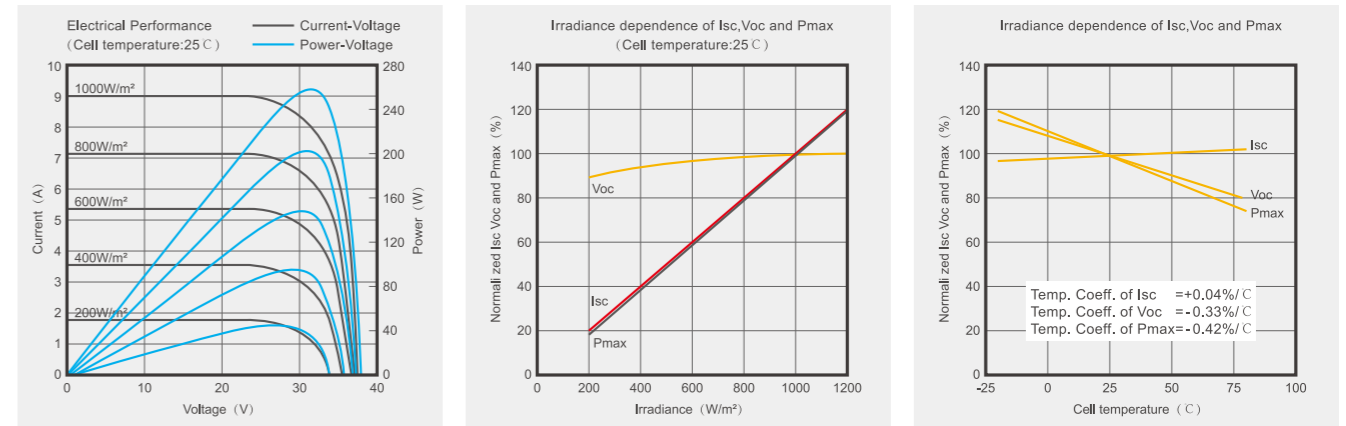
## 总装图

# Components

- Front Glass (2.5mm Low iron semi tempered coated glass)
- Encapsulant (EVA/POE)
- Cell Type (Mono crystalline 156mm×156mm)
- Encapsulant (EVA/POE)
- Back Glass (2.5mm Float semi tempered glass)

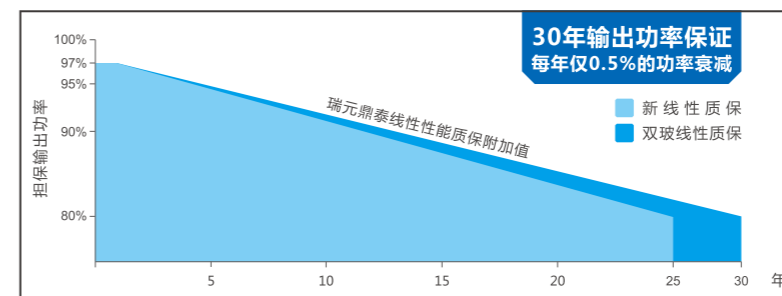
## 曲线图

# Electrical curves



## 输出功率线性质保

## 业内领先的线性质保



## 认证标识

# Certification

