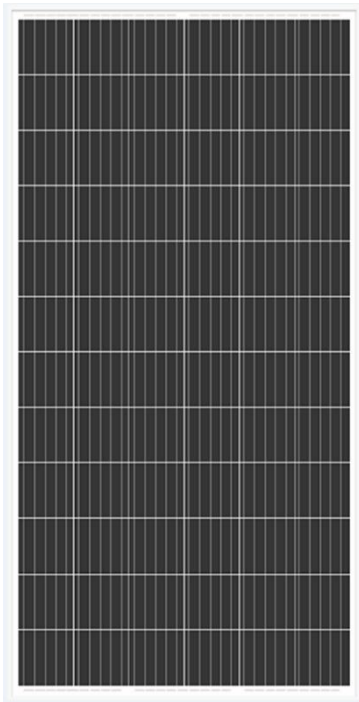


# M158 Silver

## FULL CELL MONO MODULE 390-400Watt



### KEY FEATURES



#### Module efficiency up to 20.17%

Higher power brings lower kilowatt-hour cost, higher lifetime generating capacity, simultaneously lower annual power attenuation;



#### PID Resistant

Excellent PID resistance at 96 hours (85°C/85%) test, and also can be improved to meet higher standards for the particularly harsh environment;



#### Low-Light Performance

Excellent power generation performance under Low-Light condition due to 5 busbar;



#### Anti-Crack

Excellent anti-microcracking performance with more balanced interior stress;



#### Strength and Durability

Certified for 5400Pa snow and 2400Pa loads test;



IEC 61215  
IEC 61730

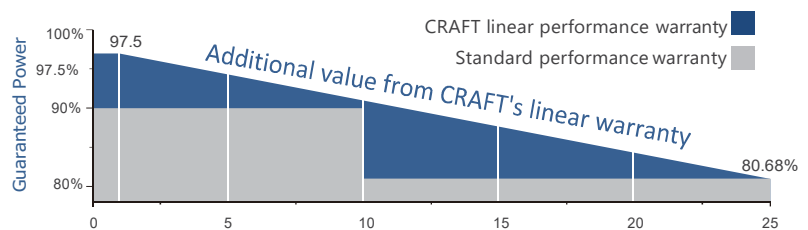


### System Certification

ISO 9001:2008  
ISO 14001:2004  
OHSAS 18001:2007

### Linear Performance Warranty

15 Year Product Warranty - 25 Year Linear Power Warranty

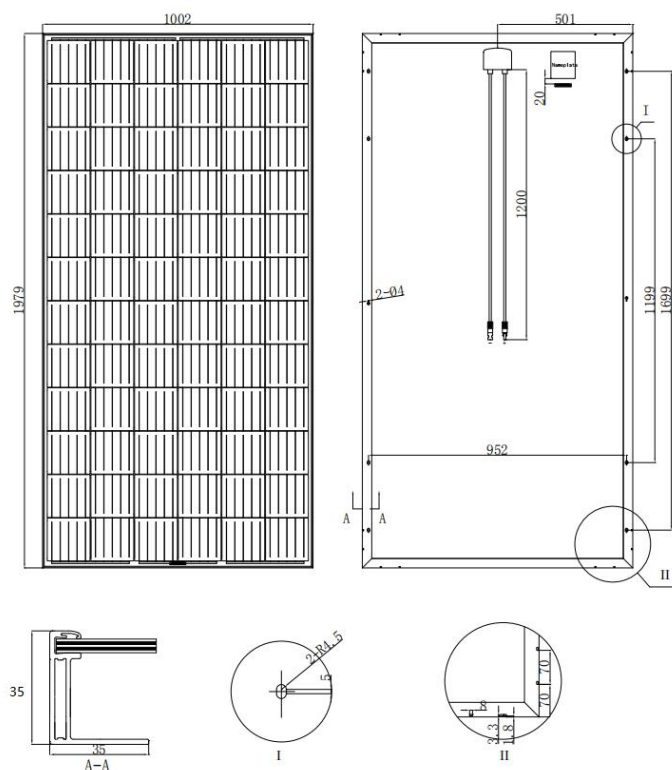


### CRAFT SOLAR Introduction

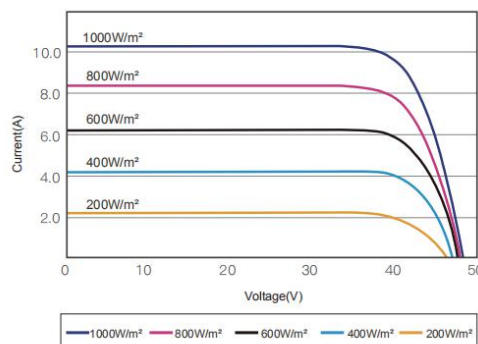
Focusing on global sustainable development, CRAFT SOLAR take the mission of promoting photovoltaic parity on the Internet and popularizing green energy as our mission, providing total solutions from photovoltaic products to photovoltaic applications, constantly innovating, leading the progress of the photovoltaic industry, and using solar energy to benefit all mankind.

As of 2020, the company's cumulative shipments of components exceeded 100MW, we are deploying downstream ecological chains globally to provide customers with one-stop system integration solutions for development, financing, design, construction, operation and maintenance. Currently, we are moving towards photovoltaic smart energy and energy internet solution providers.

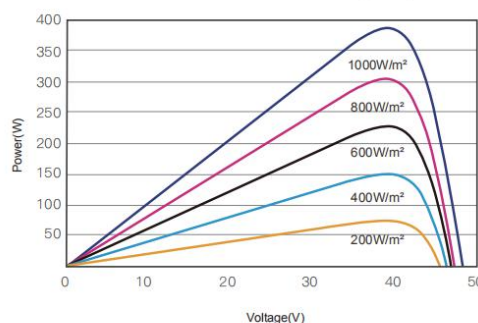
## Engineering Drawings



## I-V CURVE



I-V CURVES OF PV MODULE(390W)



P-V CURVES OF PV MODULE(390W)

## Electrical Specifications (STC)

| Model                       | CR390-72F158 | CR395-72F158 | CR400-72F158 |
|-----------------------------|--------------|--------------|--------------|
| Maximum Power (Pmax)        | 390          | 395          | 400          |
| Power Tolerance (W)         | 0~+5         | 0~+5         | 0~+5         |
| Open Circuit Voltage (Voc)  | 48.94        | 49.26        | 49.58        |
| MPP Voltage (Vmp)           | 40.11        | 40.40        | 40.68        |
| Short Circuit Current (Isc) | 10.24        | 10.29        | 10.35        |
| MPP Current (Imp)           | 9.72         | 9.78         | 9.83         |
| Module Efficiency (%)       | 19.67        | 19.92        | 20.17        |

## Mechanical Specifications

| Model          | Data                           |
|----------------|--------------------------------|
| Cell Type      | 5BB Mono 158.75×158.75mm       |
| No. of Cells   | 72(6×12)                       |
| Dimensions     | 1979×1002×35mm                 |
| Weight         | 22.4kg                         |
| Glass          | 3.2mm, Low Iron Tempered Glass |
| Frame          | Anodized Aluminium Alloy       |
| Junction Box   | IP67/IP68, 3 diodes            |
| Output Cables  | 4mm², Length 1200mm            |
| Connector type | MC4 compatible                 |

## Temperature Specifications

| Item                           | Data      |
|--------------------------------|-----------|
| NOCT                           | 45°C ±2°C |
| Temperature Coefficient (Pmax) | -0.365%/K |
| Temperature Coefficient (Voc)  | -0.285%/K |
| Temperature Coefficient (Isc)  | 0.055%/K  |

| Operating Condition        | Data                |
|----------------------------|---------------------|
| Maximum System Voltage     | 1000V/1500 VDC(TÜV) |
| Operating Temperature      | -40°C~+85°C         |
| Maximum series fuse rating | 15A                 |

## Packaging Specifications

|                             |                 |
|-----------------------------|-----------------|
| Packing unit                | 30/36pcs.(35mm) |
| Modules per 40'HQ container | 726pcs.(35mm)   |

## Remark

|           |   |
|-----------|---|
| Tolerance | ±3%(Vmp,Imp,Voc,Isc)                              |
| STC       | Irradiance 1000W/m², Cell Temperature 25°C, AM1.5 |