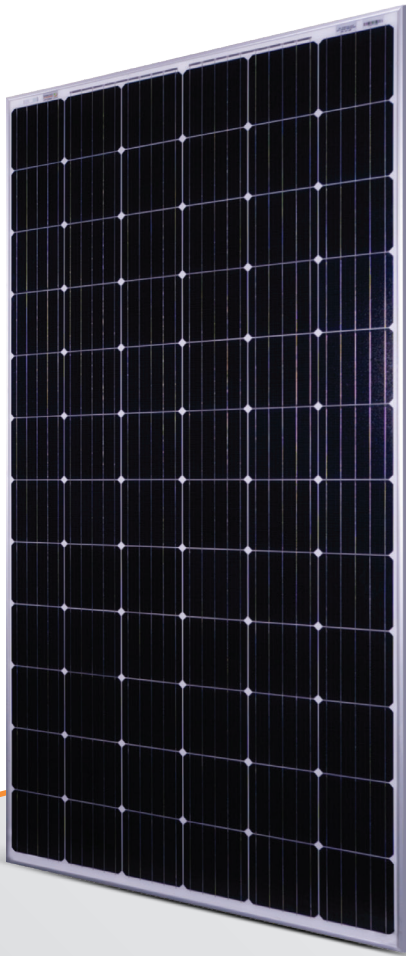




**CONTENDRE**  
SOLAR

**M** PRO  
SERIES



**Yield Security**  
Anti PID Technology  
Hot-Spot Protect  
Traceable Quality  
Anti LID Technology

# CG M72

**380-400WP**

Mono-Perc Solar PV Module  
72 Full Cells | Max. Efficiency **20.15%**



## THE IDEAL SOLUTION FOR



Rooftop arrays on residential, commercial and industrial buildings



Ground-mounted solar power plants

Contendre (CGPL) is one of the world's leading solar solution experts. We are specialised in high efficiency solar module manufacturing, distribution and research. To utilise our production and technology advantage, we provide our customers with comprehensive solutions for the whole life cycle of solar project.

We use Raw Materials certified by:



Made in India

Note: Specifications subject to technical changes and tests. Contendre reserves the right of final interpretation.



### 5 Busbar Solar Cell

Advanced 5 busbar Cell Technology for higher efficiency and better aesthetics



### Cost Effective

Offering high value at low cost, makes it one of the popular choices of installers and customers



### Lower BOS Costs

Designed for high voltage systems of upto 1500 VDC, saving balance of system costs



### All-Weather Technology

Optimal yields, whatever the weather with excellent low-light and temperature behavior



### Enduring High Performance

Long-term yield security with Anti LID and Anti PID Technology, Hot-Spot Protect and Traceable Quality



### Load Capacity Enhancement

High durability raw materials helps to withstand high front load of upto (5400 Pa) and back loads of upto (2400Pa)



### A Reliable Investment

12 years product warranty and 25 years linear power output warranty makes it a reliable investment

## MECHANICAL SPECIFICATION

Dimensions (LxWxH in mm)	1985 x 1000 x 35 (Also available in 40 mm)
Weight (kg)	22 kg
No. of Cells	72 (12 x 6) Mono Perc (G1)
Aluminum Frame (40HS)	Silver Anodized Aluminum Alloy (Also available in black)
Front Cover	Low Iron Tempered Glass (3.2 mm thick)
Encapsulate	Ethylene Vinyl Acetate (EVA) Sheet–PID free & UV resistant
Backsheet	Fluoro Polymer based PVDF Backsheet
Junction Box with 3–Bypass diode/Rating	4 Terminal Junction Box with 3 Bypass diodes (IP67/68)–Weather proof / MC4 Compatible
Application Class Rating	Class A
Fire Safety Class Rating	Class II
Mechanical Load Test (as per IEC & UL)	5400 Pa–Front; 2400 Pa–Back
Mounting Holes Pitch (Y)–mm (A) 1205, (B) 1705	
Mounting Holes Pitch (X)–mm 956	

## ELECTRICAL PARAMETERS (STC\*)

Model	Pmax (W)	Isc (A)	Voc (V)	Imp (A)	Vmpp (V)	Eff (%)	FF
CG–M72–380	380	9.97	48.28	9.44	40.27	19.14	78.98
CG–M72–385	385	10.07	48.40	9.54	40.37	19.40	79.02
CG–M72–390	390	10.17	48.52	9.63	40.52	19.65	79.08
CG–M72–395	395	10.27	48.64	9.72	40.67	19.90	79.14
CG–M72–400	400	10.38	48.68	9.82	40.74	20.15	79.19

\*STC (Standard Test Conditions): Irradiance 1000 W/m<sup>2</sup>, Temperature 25°C, Spectrum at AM 1.5G.

## ELECTRICAL PARAMETERS (NMOT\*)

Model	Pmax (W)	Isc (A)	Voc (V)	Imp (A)	Vmpp (V)
CG–M72–380	278.57	8.04	44.22	7.56	36.89
CG–M72–385	282.22	8.12	44.33	7.64	36.98
CG–M72–390	285.94	8.20	44.44	7.71	37.12
CG–M72–395	289.68	8.28	44.55	7.78	37.25
CG–M72–400	293.94	8.35	44.66	7.85	37.40

\*NMOT (Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectrum at AM 1.5G, Wind Speed at 1m/s. (NOCT is similar to NMOT)

## TEMPERATURE COEFFICIENTS

Current (Isc)	a	–0.057%/°C
Power (Pmax)	y	–0.39%/°C
Voltage (Voc)	b	+0.28%/°C
NMOT / NOCT	NMCT	45±2°C

## PROPERTIES FOR SYSTEM DESIGN

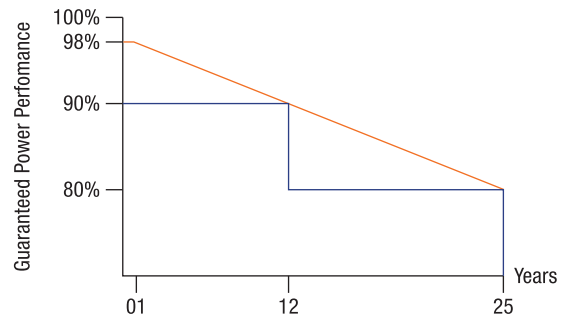
Maximum System Voltage Vsys	V	1500 (IEC)
Maximum Series Fuse Rating	A DC	20
Max. Design Load, Push / Pull	lbs / ft <sup>2</sup>	2400 Pa
Max. Test Load, Push / Pull	lbs / ft <sup>2</sup>	5400 Pa
Safety Class		II
Fire Rating		C
Temperature Degree Celsius		–40°C upto +85°C

## PACKING DETAILS

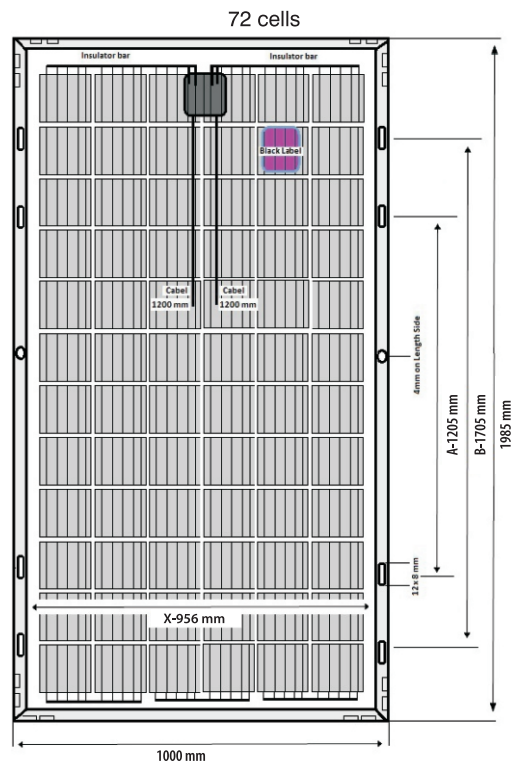
Number of Modules per Pallet	30
Number of Pallets per 40' HC–Container	20
Number of Modules per 40' HC–Container	600
1–Pallet Weight	670.00 kg

**Caution:** Please read safety and installation instructions before using the product. **\*Power Degradation:** Linear power degradation up to 2.0% in 1st year and 0.6%/year from year 2 to year 25. Please read Contendre warranty documents thoroughly. **DISCLAIMER:** specifications included in the datasheet are subject to change without prior notice owing to continuous innovation on the product Development and R&D Activities. Contendre Solar reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.

## LINEAR PERFORMANCE WARRANTY



## REAR VIEW & MOUNTING DETAIL



## QUALIFICATION AND CERTIFICATES

IEC 61215:2016, IEC 61730:2016, Application Class II.  
IEC 61701, IEC 62804, CE–Complaint, ALMM Approved.  
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018.



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**FACTORY:** Unit i/6, Rajlakshmi Hi–Tech Park, Sonale Village, Bhiwandi, Maharashtra–421302. INDIA