

# CG M72 380-400WP

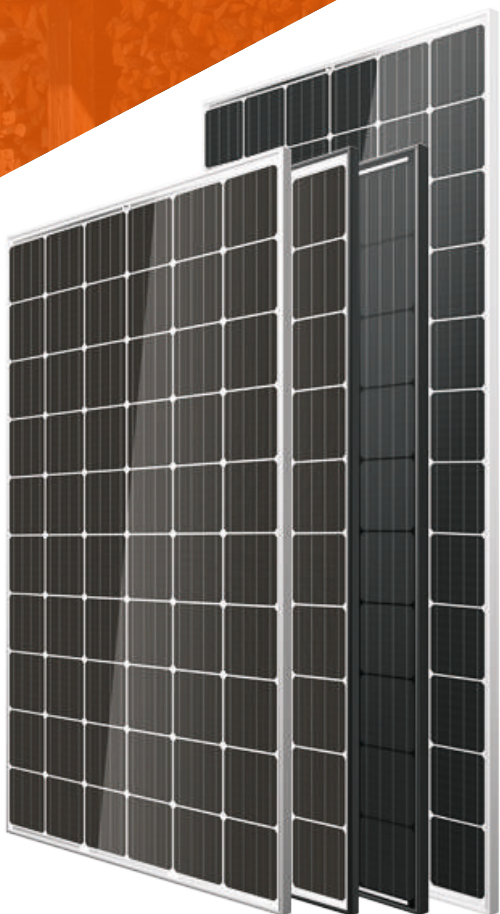
**High Efficiency Advanced Monocrystalline PERC Solar PV Modules**

**72 Cells**



**YIELD SECURITY**

- ANTI PID TECHNOLOGY
- HOT-SPOT PROTECT
- TRACEABLE QUALITY
- ANTILID TECHNOLOGY



**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 snow (5400 Pa) and wind loads (2400 Pa)



**A RELIABLE INVESTMENT**

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

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.

**THE IDEAL SOLUTION FOR:**



Rooftop arrays on commercial and industrial buildings



Ground-mounted solar power plants

We use Raw Materials certified by:



Made in India

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

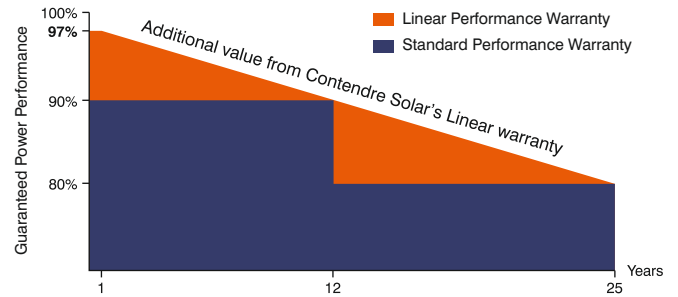


**CONTENDRE**

## MECHANICAL SPECIFICATION

<b>G1 Mono Perc Cell</b>	<b>6 x 12 (72)</b>
Format	1985 x 1000 x 35 mm
Weight	<b>22 kg</b>
Front Cover	3.2 mm Tempered Glass with Aniti Reflection Technology
Back Cover	Fluoro Polymer based PVDF Backsheet
Frame	More than 15 micron Anodized Aluminium
Junction Box	TUV & UL approved, IP 67 / IP 68 rated 4 Terminal Junction Box with 3 Bypass Diodes
Cable	1200mm Long, 4mm2 cables
Connector	MC4 compatible connectors

## PERFORMANCE WARRANTY



## ELECTRICAL PARAMETERS

M <sub>PRO</sub> -SERIES		72 Cells				
		380	385	390	395	400
<b>ELECTRICAL PARAMETERS</b>						
Power at MPP	P <sub>MPP</sub> [W]	380	385	390	395	400
Short Circuit Current	I <sub>SC</sub> [A]	9.97	10.07	10.17	10.27	10.38
Open Circuit Voltage	V <sub>OC</sub> [V]	48.28	48.40	48.52	48.64	48.68
Current at MPP	I <sub>MPP</sub> [A]	9.44	9.54	9.63	9.72	9.82
Voltage at MPP	V <sub>MPP</sub> [V]	40.27	40.37	40.52	40.67	40.74
Efficiency	n [%]	19.14%	19.40%	19.65%	19.90%	20.15%
Fill Factor	FF	78.98	79.02	79.08	79.14	79.19

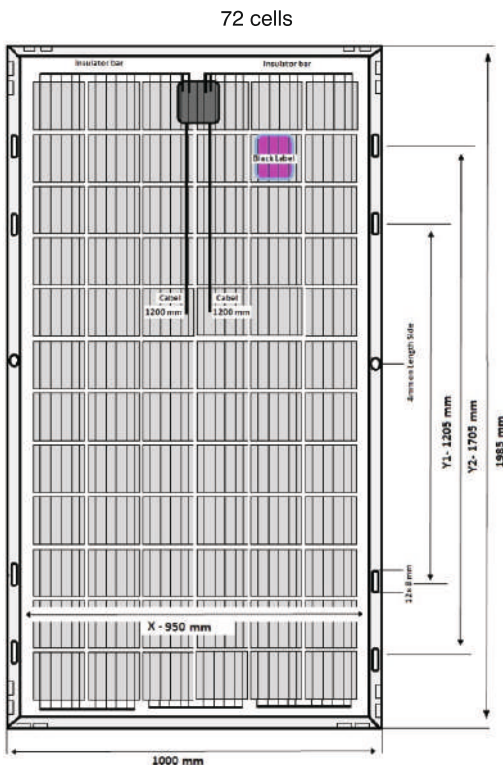
Electrical values measured at STC: 25 °C, 1.5AM, 1000 W/m<sup>2</sup>

### MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NOCT

Power at MPP	P <sub>MPP</sub> [W]	278.57	282.22	285.94	289.68	293.34
Short Circuit Current	I <sub>SC</sub> [A]	8.04	8.12	8.20	8.28	8.35
Open Circuit Voltage	V <sub>OC</sub> [V]	44.22	44.33	44.44	44.55	44.66
Current at MPP	I <sub>MPP</sub> [A]	7.56	7.64	7.71	7.78	7.85
Voltage at MPP	V <sub>MPP</sub> [V]	36.89	36.98	37.12	37.25	37.40

Measurement tolerance, AM 1.5G, NOCT (Wp) at 45 ± 2 °C @800 W/m<sup>2</sup>

## CONTENDRE MODULE DIMENSION DIAGRAM



## TEMPERATURE COEFFICIENTS

Temperature Coefficient of I <sub>SC</sub>	a	[%/C]	+0.05
Temperature Coefficient of P <sub>MAX</sub>	y	[%/C]	-0.39
Temperature Coefficient of V <sub>OC</sub>	b	[%/C]	-0.31
Normal Module Operating Temperature	NMCT	[°C]	45 ± 2 °C

## PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage V <sub>sys</sub>	[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 up to +85°C

## PACKAGING 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

## QUALIFICATION AND CERTIFICATES

IEC 61215:2016, IEC 61730:2016, Application Class II.  
IEC 61701, IEC 62804, CE-Compliant.  
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018.



**Note:** Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

Specifications subject to technical changes. Please confirm your exact requirement with the company representative while placing your order ©CONTENDRE

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Made in India

