

CG P72 DCR 315-335W

Indigenous Polycrystalline Solar PV Module Series

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

EnerTech products are designed to deliver the highest, Performance, Reliability & Efficiency in the industry to go along with the quality and set the benchmark for technical excellence.

THE IDEAL SOLUTION FOR:

Rooftop arrays on small residential, commercial and industrial buildings

Ground-mounted solar power plants

We use Raw Materials certified by:

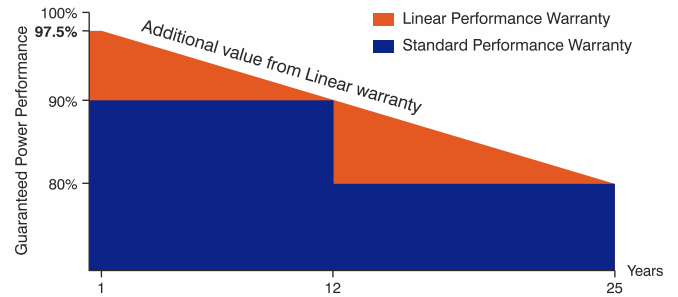


Note : Specifications subject to technical changes and tests. EnerTech reserves the right of final interpretation.

MECHANICAL SPECIFICATION

Poly DCR Cell	6 x 12 (72)
Format	1955 x 990 x 35 mm
Weight	21 kg
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

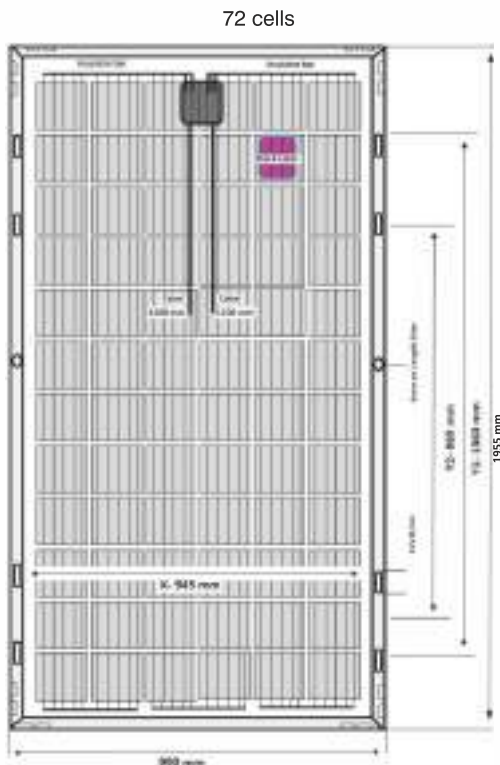
PERFORMANCE WARRANTY



ELECTRICAL PARAMETERS

P-SERIES		72 Cells				
		315	320	325	330	335
ELECTRICAL PARAMETERS						
Power at MPP	P_{MPP} [W]	315	320	325	330	335
Short Circuit Current	I_{SC} [A]	8.87	8.90	8.92	8.97	9.00
Open Circuit Voltage	V_{OC} [V]	45.72	45.86	45.94	46.08	46.22
Current at MPP	I_{MPP} [A]	8.35	8.39	8.41	8.45	8.51
Voltage at MPP	V_{MPP} [V]	39.02	39.24	39.31	39.38	39.53
Efficiency	η [%]	16.28%	16.53%	16.79%	17.05%	17.31%
Fill Factor	FF	79.95	79.72	79.67	79.08	79.07
Electrical values measured at STC: 25 °C, 1.5AM, 1000 W/m ²						
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NOCT						
Power at MPP	P_{MPP} [W]	240.98	243.39	244.42	245.89	248.63
Short Circuit Current	I_{SC} [A]	7.16	7.19	7.21	7.25	7.27
Open Circuit Voltage	V_{OC} [V]	42.89	43.02	43.09	43.22	43.36
Current at MPP	I_{MPP} [A]	6.62	6.65	6.66	6.69	6.74
Voltage at MPP	V_{MPP} [V]	36.60	36.81	36.87	36.94	37.08
Measurement tolerance, AM 1.5G, NOCT (Wp) at 45 ±2 °C @800 W/m ²						

MODULE DIMENSION DIAGRAM



TEMPERATURE COEFFICIENTS

Temperature Coefficient of I_{SC}	a	[%/C]	+0.05
Temperature Coefficient of P_{MAX}	y	[%/C]	-0.38
Temperature Coefficient of V_{OC}	b	[%/C]	-0.31
Normal Module Operating Temperature	NMCT	[°C]	45 ± 2 °C

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage V_{SYS}	[V]	1500 (IEC)
Maximum Series Fuse Rating	[A DC]	20
Max. Design Load, Push / Pull	[lbs / ft ²]	2400 Pa
Max. Test Load, Push / Pull	[lbs / ft ²]	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	640.00 kg

QUALIFICATION AND CERTIFICATES

UL 1703, CE-compliant.
IEC 61215:2016, IEC 61730:2016, Application Class II.
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

Enertech UPS Pvt Ltd

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