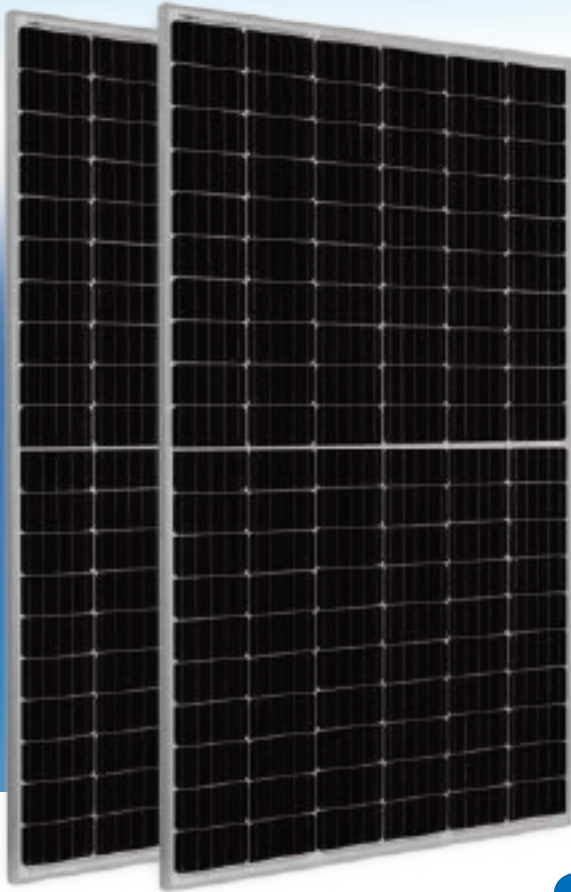


CITIZEN SOLAR
solarising the nation



Mono

PERC Half-Cell Module
CSPL_120_300-315 Wp

Key Features



Higher Output Power



Less Shading Effect



Lower Temperature Coefficient



Better Mechanical Loading Tolerance



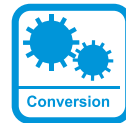
Durability Against Extreme Environmental Conditions



5 Busbar Solar Cell



PID Resistant



High Efficiency



Low-light Performance

Superior Warranty

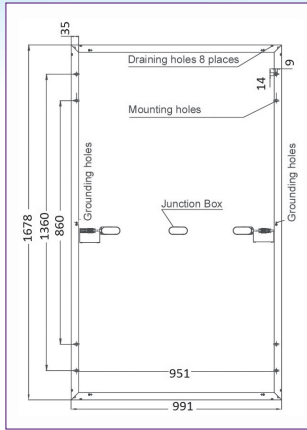
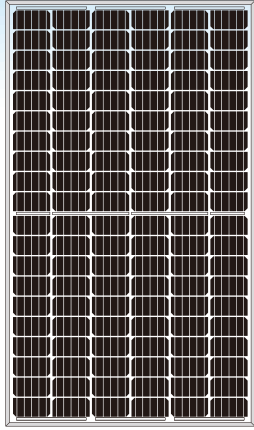
- 10-Year Product Warranty
- 25-Year Linear Power Output Warranty

Comprehensive Certificates

- IS 14286/61730-1/61730-2/62804/61701/61853-1
- OHSAS 18001: 2007 Occupational Health And Safety Management Systems
- ISO 9001: 2015 Quality Management Systems
- ISO 14001: 2015 Environmental Management Systems

CSPL_120CELL_300W-315W

MECHANICAL DIAGRAMS



TECHNICAL SPECIFICATIONS

Cell	Mono
Weight	18.3 kg ± 2%
Dimensions	1678mm×991mm×35mm
Cable Cross Section Size	4mm ²
No. of cells	120(12x10)
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible

ELECTRICAL PARAMETERS_STC & NOCT

Model type	CSPL_300W		CSPL_305W		CSPL_310W		CSPL_315W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Maximum Power(Pmax) [W]	300	223	305	227	310	230	315	234
Open Circuit Voltage(Voc) [V]	38.91	36.01	39.17	36.26	39.45	36.54	39.74	36.81
Maximum Power Voltage(Vmp) [V]	32.43	32.22	32.7	32.47	32.98	32.77	33.27	33.06
Short Circuit Current(Isc) [A]	9.9	7.9	9.97	7.97	10.03	8.01	10.1	8.07
Maximum Power Current(Imp) [A]	9.26	6.84	9.34	6.91	9.41	6.97	9.48	7.02
Module Efficiency [%]	18.05		18.36		18.66		18.96	
Power Tolerance	0~+3W							
Temperature Coefficient of Isc(α_{Isc})	+0.051%/oC							
Temperature Coefficient of Voc(β_{Voc})	-0.29%/oC							
Temperature Coefficient of Pmax(γ_{Pmp})	-0.36%/oC							

STC	Irradiance 1000W/m ²	Cell temperature 25°C	AM1.5G
NOCT	Irradiance 800W/m ²	Ambient temperature 20°C	AM1.5G

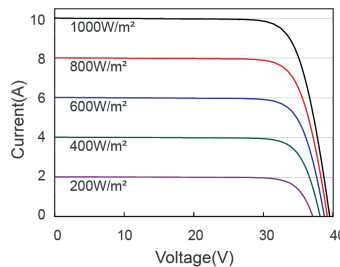
Remark: READ SAFETY AND INSTALLATION MANUAL BEFORE USING THE PRODUCT. • Specification included in this datasheet are subject to change without notice. Electrical data without guarantee. Please Confirm your exact requirement with the company representative while placing your order.

OPERATING CONDITIONS

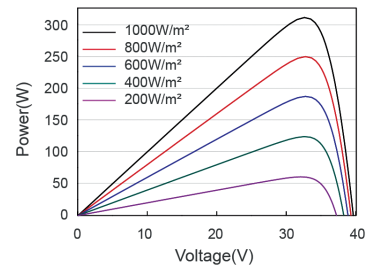
Maximum System Voltage	1000V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load,Front	5400Pa
Maximum Static Load,Back	2400Pa
NOCT	45±2°C
Application Class	Class A

CHARACTERISTICS

Current-Voltage Curve CSPL-310W



Power-Voltage Curve CSPL-310W



TM

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