

PLM-310P-72 SERIES

Polycrystalline Silicon Solar Module



PERLIGHT SOLAR

Founded in 2006, Perlight is a Global Solar Energy provider with a presence in more than 80 countries around the world. More than 1.5GW of Perlight modules have been used in residential, commercial and off-grid systems around the world.

Perlight's success has been built on proven product performance and reliability, state of the art technology and long term partnerships with key customers.

18.2% - 20.2%

CELL EFFICIENCY

12 YEARS

PRODUCT WARRANTY

0 -3% POWER TOLERANCE

POWER WARRANTY



80% Power Output Warranty



90% Power Output Warranty



Material & Workmanship Warranty



Performance

High output and efficiency even under low light conditions



Versatility

Salt mist corrosion tested, perfect for harsh climatic conditions



Reliability

Durable and reliable solar panels due to stringent quality control measures, testing and strict selection of raw materials and components. PID free (TUV certified)



Design and Innovation

Perlight is committed to innovation and constantly working to provide the next breakthrough in solar technology: the new All Black panel is an example of this commitment.

POLYCRYSTALLINE, 72-CELL SERIES

ELECTRICAL PERFORMANCE									
Module type	PLM-310P-72								
Power output	P _{max}	W	310	315	320	325	330	335	340
Power output tolerances	ΔP_{max}	%				0 - 3			
Voltage at Pmax	V_{mpp}	٧	37	37.28	37.56	37.8	38.07	38.33	38.6
Current at Pmax	Impp	Α	8.38	8.45	8.52	8.6	8.67	8.74	8.81
Open-circuit voltage	V_{oc}	٧	45.45	45.6	45.82	46.08	46.41	46.83	47.13
Short-circuit current	Isc	Α	8.85	8.91	9.03	9.08	9.13	9.16	9.23
Solar Module Efficiency	Eff.	%	15.98	16.23	16.49	16.75	17.01	17.26	17.52

THERMAL CHARACTERISTICS			
Nominal operating cell temperature	NOCT	°C	45±2
Temperature coefficient of Pmax	ע	%/°C	-0.40
Temperature coefficient of Voc	Bvoc	%/°C	-0.30
Temperature coefficient of lsc	C Isc	%/°C	0.06
Temperature coefficient of Vmpp	Вутрр	%/°C	-0.35

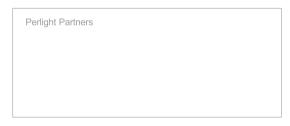
STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3.

OPERATING CONDITIONS	
Max. system voltage	1000 V pc
Limiting reverse current	15A
Operating temperature range	-40°C to 85°C
Max. static load front (e.g., snow)	5400Pa
Max. static load back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

low-iron tempered glass / 3.2mm
white
72 / polycrystalline silicon / 156 x 156mm
anodized aluminum alloy / silver
≥IP67
900mm / 4mm² & MC4 compatible / IP67
1956mm x 992mm x 40mm
21.6kg

PACKING DETAILS		
Container	20'GP	40'HQ
Pieces per pallet	52	58
Pallets per container	5	11
Pieces per container	260	638





QUALIFICATIONS & CERTIFICATIONS

IEC 61215, IEC 61730, CE, IEC 62804 (PID Free), UL 1703, J-PEC, PV CYCLE, IEC/EN 61701, IEC 62716







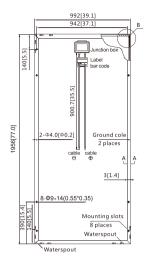


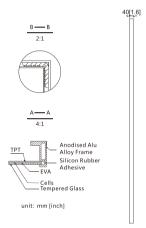






Module Diagram:





Electrical Curves:

