

Celebrating
47
years

V-GUARD



PANEL 540HCMP DCR(AX)


**ON SITE SERVICE
PAN INDIA**

Certified by

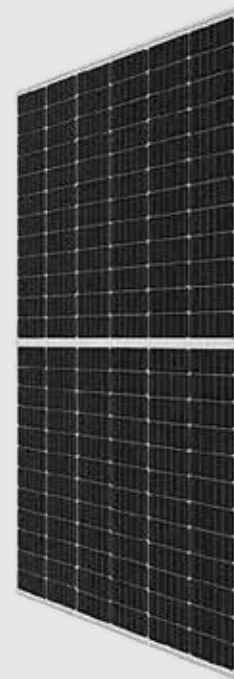
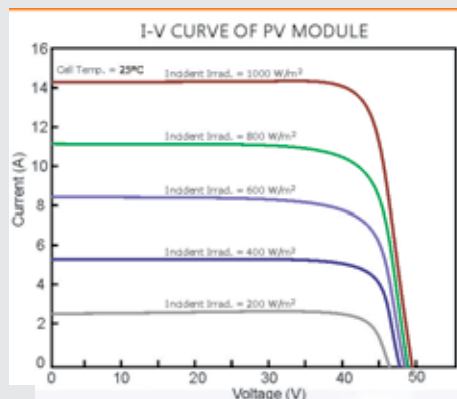
मानक: पञ्चप्रदर्शक:
Bureau of Indian Standards

25 YEARS
WARRANTY
**INDUSTRY LEADING LINEAR
POWER OUTPUT WARRANTY ON
PANEL WITH ONSITE SERVICE**

540- 555W MONO PERC CRYSTALLINE -72 X 2 HALF CUT CELLS

ELECTRICAL PARAMETERS AT STC

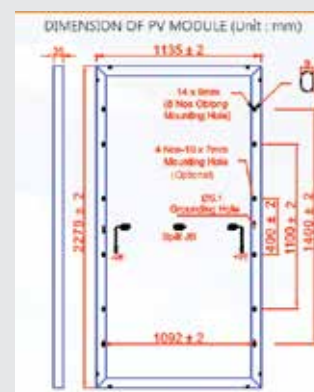
ALMM Approved Model No.	ALP24L 540WM	ALP24L 545WM	ALP24L 550WM	ALP24L 555WM
Peak Power[pMAX(wP)] [0 ~ +4.99 Wp]	540	545	550	555
Max. Power Voltage [Vmp] [V]	41.65	41.79	41.91	42.04
Max. Power Current [Imp] [A]	12.97	13.05	13.13	13.21
Open Circuit Voltage [Voc] [V]	49.61	49.75	49.88	49.99
Short Circuit Current [Isc] [A]	13.83	13.91	13.99	14.07
Module Efficiency (%)	20.87	21.07	21.26	21.45
Maximum System Voltage [V DC]	1500	1500	1500	1500



* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM1.5 . All other parameters have a tolerance of +/-5%, Measurement Uncertainty +/-3%

MECHANICAL SPECIFICATIONS

Dimensions [L x W x H]	2279 mm x 1135 mm x 35 mm
Weight	28.5 Kgs
Junction Box	SplitJB, IP67/68 Rated with 3 Bypass Diodes
Cable & Connectors	Solar cable 4.0 mm 2 , 300 mm (MC4 Compatible) or Customized Length
Application Class	Class A (Safety Class II)
Superstrate	High Transmission, AR Coated Tempered Glass
Solar Cells	Mono PERC Crystalline - MBB [144 pcs Half Cut]
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)
Back Sheet	Multilayered Back Sheet
Frame	Anodized Aluminium Frame
Mechanical Load Test	5400 Pa (Snow Load), 2400 Pa (Wind Load)
Max. Series Fuses Rating	25A



TEMPERATURE COEFFICIENTS (TC) AND PERMISSIBLE OPERATING CONDITIONS

NOCT	45°C ±2°C
Coefficient of Power [Pmax]	-0.35%/°C
Coefficient of Voltage [Voc]	-0.27%/°C
Coefficient of Current [Isc]	0.045%/ C
Temperature Range	-40°C to +85°C



WARRANTY AND CERTIFICATIONS

Performance*	Power output of 90% at the end of 10 Years and 80% at the end 25 Years
Approvals and Certificates	A-LMM / IEC / BIS

* Refer to Alpex Modules Warranty Document

PACKAGING CONFIGURATION

Container Size	40' HC
Modules per Pallet	31 Pieces
Modules per Container	620 Pieces (20 Pallets)

Manufactured at

Alpex Solar Limited
Plot No.-I-25 & I-26, Site-5, Surajpur
Industrial Area, Kasna, Greater Noida-201306
Distic: Gautam Budh Nagar, Uttar Pradesh[India]

Marketed by

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