

SOLAR MODULES

PANEL 540 MONO PEC HALF CUT DCR

KEY FEATURES



AR coated tempered glass, anti-reflective module surface



Excellent weak light performance



Quality & reliability assurance in standard weather condition



100% pre and post EL



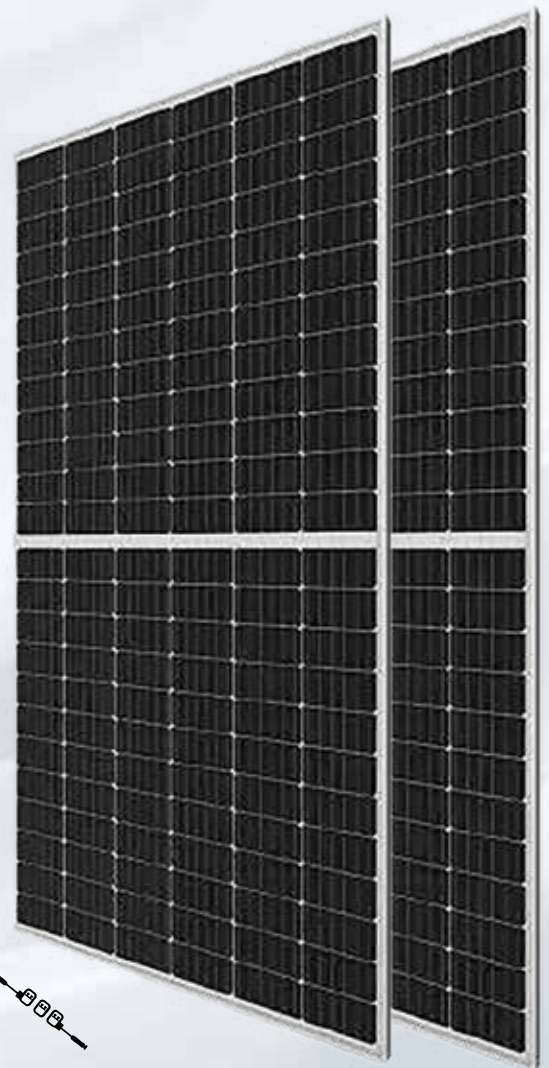
IP68 Junction box for long term endurance



Ensure safety parameters through safety test



Positive power tolerance upto 5W



WARRANTY



Industry leading linear power output warranty*



Product warranty on materials & workmanship

CERTIFICATIONS



IEC CB scheme



Design qualification



Safety qualification



BIS qualification



Split type - JB



Better performance



Certified mfg.process



Environmental mgt.system



M10 - Cell



Better performance

TECHNICAL DATA

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (Irradiance of 1000 W/m² spectrum AM 1.5 G & cell temperature of 25°C)

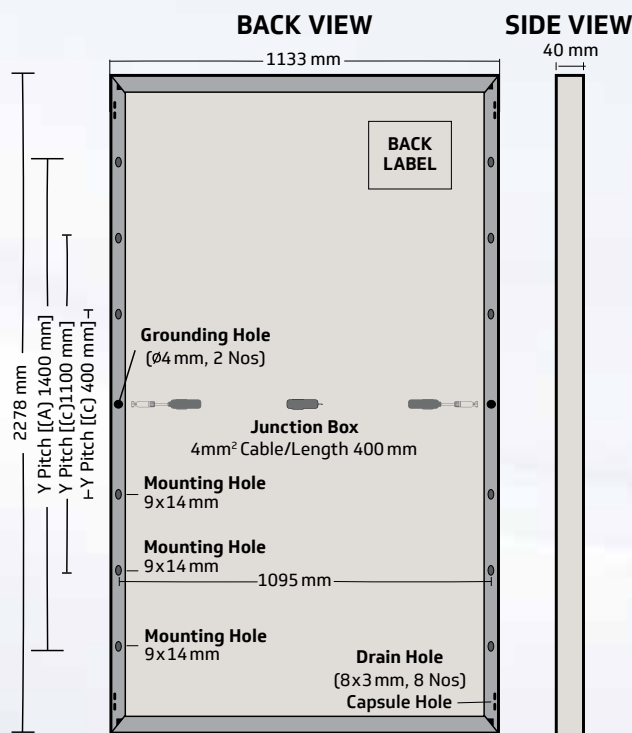
Nominal maximum power (P _{max})	540W
Optimum operating voltage (V _{mp})	41.86
Optimum operating current (I _{mp})	12.91
Open circuit voltage (V _{oc})	49.78
Short circuit current (I _{sc})	13.53
Module eff (%)	20.94

PERFORMANCE UNDER NOCT (NOCT= 45.25°C irradiance of 800 W/m², ambient temperature of 20°C and wind speed 1 m/s)

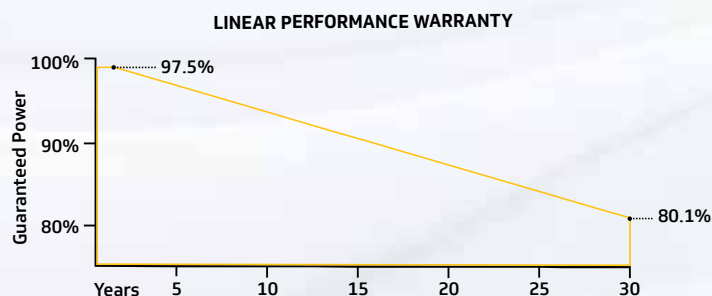
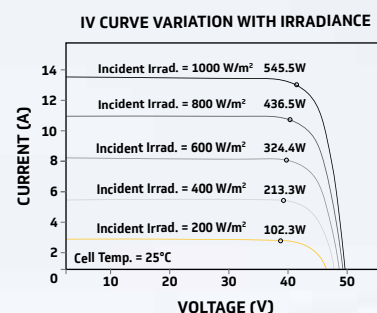
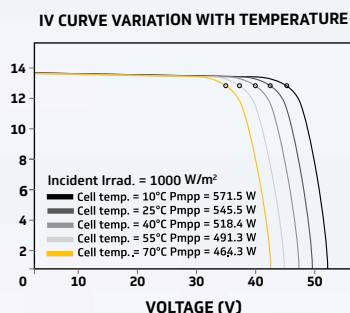
Maximum power (P _{max})	403
Optimum operating voltage (V _{mp})	38.68
Optimum operating current (I _{mp})	10.43
Open circuit voltage (V _{oc})	46.94
Short circuit current (I _{sc})	11.01

MECHANICAL SPECIFICATION

Dimensions (LxWxT in mm)	2278 x 1133 x 40
Weight (kg)	28.6
No of cells	144 [12x6/12x6]
Frame	Anodized aluminium alloy (6005, temper T6, silver color)
Front cover	ARC coated low iron tempered glass (3.2 mm thick)
Encapsulant	Ethylene-vinyl acetate (EVA) - PID free and UV resistant
Back cover	Corona treated PVDF Fluoro-polymer Back sheet (white colour)
Junction box/connector rating/type	Split junction box (IP68) - weather proof/MC4 compatible
Cable cross - section & length	4mm ² & 400mm
Application class rating	Class A
safety class rating	Class II
Mechanical load test (as per IEC & UL)	5400 Pa-front; 2400 Pa-back
Mounting holes pitch (Y) - mm	[A] 1400 mm [B] 1100 mm [C] 400 mm
Mounting holes pitch (X) - mm	1095 mm



*All dimensions are in mm with +/- 1% tolerance.



*graphics shown herein above are reference purpose only. Please consult the technical team for any further clarification.

MAXIMUM OPERATING CONDITIONS

Operating temperature :	-40°C to + 85°C
Maximum system voltage :	1500 V
Maximum series fuse rating :	25 A

TEMPERATURE COEFFICIENT

Current $\alpha(I_{sc})$:	0.0297 % /C
Voltage $\beta(V_{oc})$:	-0.2470%/C
Power $\gamma(P_{max})$:	-0.3303%/C

Caution : Please read safety and installation instructions before using the product ***warranty:** Linear power warranty for 30 years up to 2.5% for 1st year degradation and 0.60% / year from year 2 to year 30. Please read the warranty document thoroughly. Disclaimer: Specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the Product Development and R&D Activities. V-Guard reserves the right to make any adjustment to the information described here. Dataset contained in this specification does not form a representative of a single module data. @ T&C apply.

V-Guard Industries Ltd. ,

Registered Office: 42/962, Vennala High School Road, Vennala, Kochi - 682 028, Kerala.

Ph: 0484-2005000, 4335000 email: customercare@vguard.in | www.vguard.in

Manufactured at: Rayzon Solar Private Limited, Block No-105, B/H Aron Pipes, B/H hariya Talav, Kim mandvi Road, Karanj, Surat-394110, Gujrat, India.



V-Guard Care
1800 103 1300 (Toll Free)
1860 180 3000 (Charges Apply)
customercare@vguard.in
☎ 9633503333

www.vguard.in/home/customer-care
CIN: L31200KL1996PLC010010

