



**ENERGISING
THE FUTURE**

MONOPERC **545Wp** BI-FACIAL MODULES

- Module Power increases 5.25% & LCOE reduces significantly
- Bifacial module with Transparent backsheet
- Less Powerloss by minimizing Shading Effect
- 10BB Technology for Better current conduction & improves module output
- Longer Life Power Yield
- Excellent Performance at Low Light Condition
- Sustain Heavy snow load (5400pa) & wind load (2400pa)



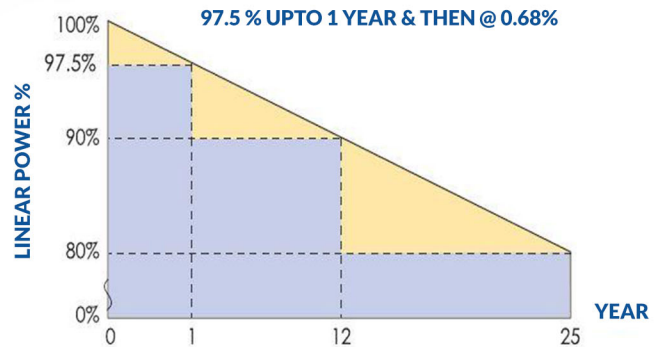
12
YEARS Limited Product Warranty

25
YEARS Linear Power Warranty

**ALMM
APPROVED**

**BIS
APPROVED**

**IEC
CERTIFIED**





TECHNICAL DATA

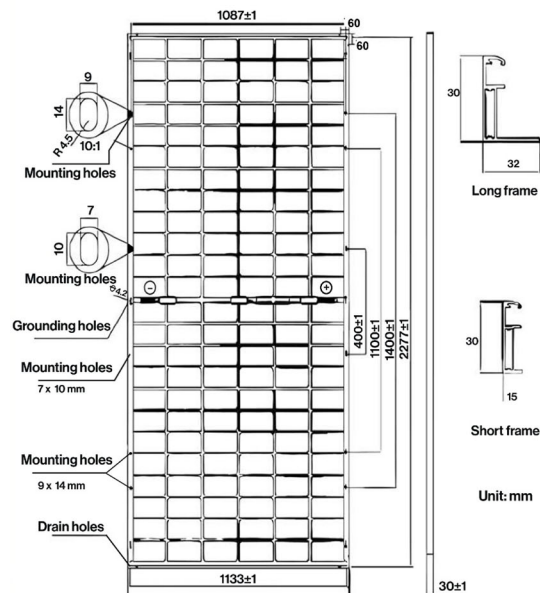
MONOPERC 545Wp

BI-FACIAL MODULES

Mechanical Characteristics

Cell Type	P type Mono-crystalline PERC
No. of cells	144 (6*24)
Dimensions	2277 x 1133 x 30 ± 1 mm
Weight	27.75 Kg
Front Glass	3.2 mm ARC Low Iron tempered
Back Sheet	Transparent
Frame	Anodized Aluminium Alloy
Mounting Hole (Oblong)	9*14 & 7*10 ± 1mm
Mounting Hole CTC distance –vertical	1400,1100,400 ± 1mm
Mounting Hole from corner	438.5, 588.5, 938.5± 1mm
Mounting Hole CTC distancehorizontal	1087± 1mm
Junction Box	IP68 Rated
Output Cables	+350 mm, -350 mm

Dimensions in mm



Electrical Characteristics

Module Type	SS545144HCMP
Maximum Power at STC (Pmax)	545 Wp
Optimum Operating Voltage (Vmp)	41.70
Optimum Operating Current (Imp)	13.07
Open Circuit Voltage (Voc)	49.72
Short Circuit Current (Isc)	13.90
Module Efficiency	21.13%

Pmax uncertainty value at STC is ±3%

Operating Parameters

Max. System Voltage	DC 1500V
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	30A
Front Static Load	5400Pa(112lb/ft ²)
Back Static Load	2400Pa(50lb/ft ²)
Bifaciality	70%±10%

Electrical Characteristics with Different Rearside Power Gain

Rear side Power Gain	5%	15%	25%
Maximum Power at STC (Pmax)	578	633	690
Optimum Operating Voltage (Vmp)	42.27	42.27	42.37
Optimum Operating Current (Imp)	13.69	14.99	16.30
Open Circuit Voltage (Voc)	49.72	49.72	49.72
Short Circuit Current (Isc)	14.60	15.99	17.38
Module Efficiency	22.40%	24.54%	26.75%

Certifications

- ☀ IEC 61215:2021, IS 14286
- ☀ IS/ IEC 61730:2016 Part 1 & 2
- ☀ IEC 62716:2013
- ☀ IEC 62804-1:2015
- ☀ IEC 61701:2020
- ☀ IEC 61853-1:2011
- ☀ IAM, LETID, LID

Temperature Characteristics (As per IEC Test Report)

Nominal Module Operating Temperature (NMOT)	40.4°C
Temperature Coefficient of Pmax (γ)	-0.3384 %/°C
Temperature Coefficient of Voc (β)	-0.2662 %/°C
Temperature Coefficient of Isc (α)	0.0615 %/°C

AUTHORISED DISTRIBUTOR

