Purva Tower 100Kw

PFS ClubHouse, LaxmiMinarayana Pura

Purva Towers

Click to View 3D Model

System Metrics

ANNUAL PRODUCTION	PERFORMANCE RATIO	SPECIFIC GENERATION
102.54	71.79%	1463.0
x 1000 kWh (Units)		kWh/kWp/year

Module DC Nameplate

70.09 kWp

AC Nameplate

70.00 kW

Load Ratio

1.00

Weather Dataset

Meteonorm

Estimated Savings

The estimated savings using solar for the next 25 years along with Total Savings, Payback Period and IRR

TOTAL SAVINGS	PAYBACK PERIOD	INTERNAL RATE OF RETURN
19101017 INR	5 yrs. 12 mos.	17.24%

Price

65000.0 ₹/kW

Tax

8.9%

Expected Life Years

25 Years

Components

Your installation uses latest technology in solar

Modules

LONGi Solar Technology Co., Ltd. LR4-72HPH 420-440M LR4-72HPH-430M	163 No.

Inverters

Delta M70A_260	1 No.

Walkways

Premium Walkways	95.23 m

Structure

Premium Structure

Components

Your installation uses latest technology in solar

BOS

DC Distribution Box

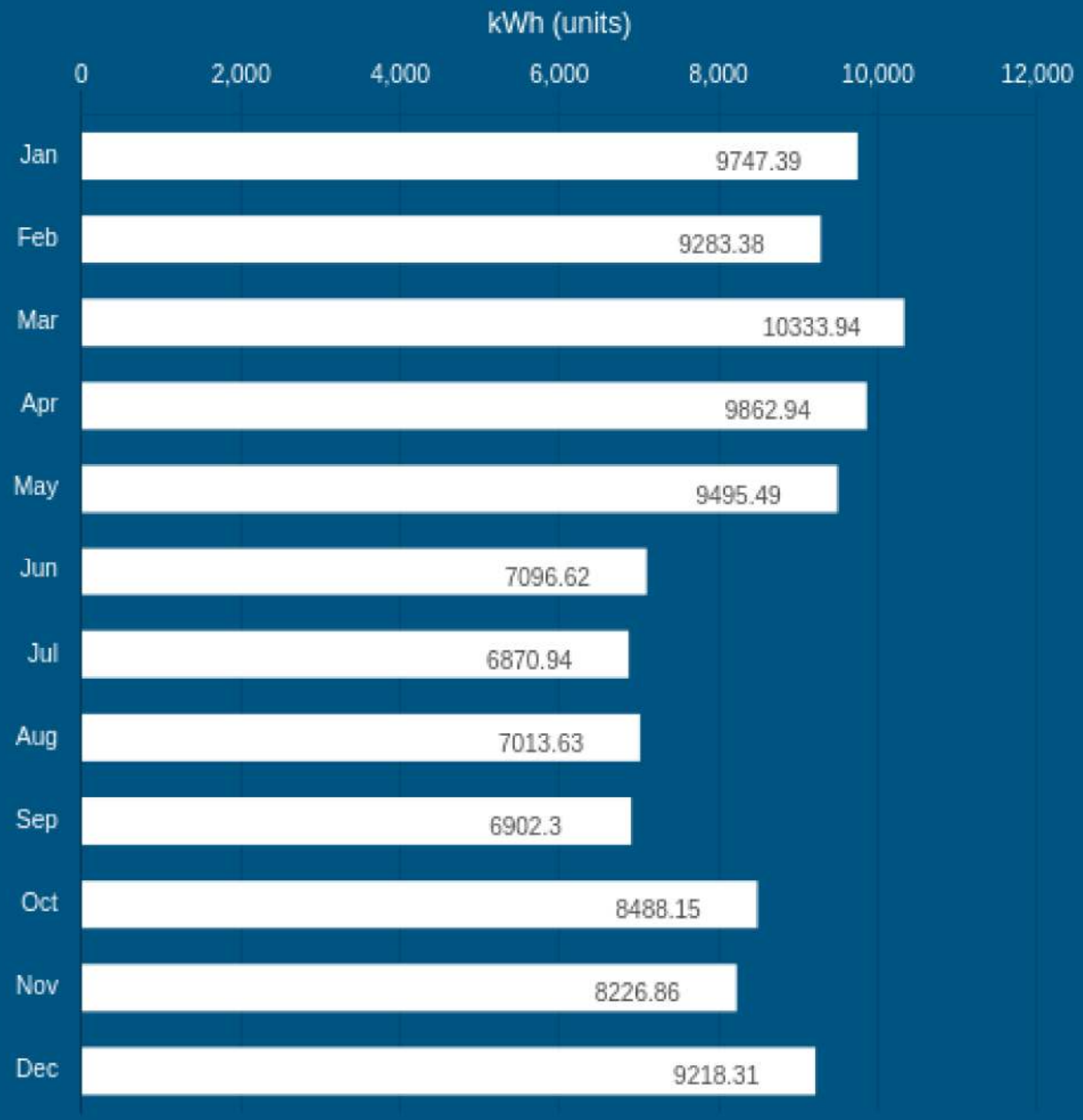
AC Distribution Box

Earthing

Lightning Arrestor

Monthly Production

During first year of operation, your system will produce 102.54 x 1000 units over the year



Expected average generation of the system

8545.00 kWh/month

Yearly degradation rate

1.5%/year

AVYAYA TECHNOLOGIES PVT LTD
BANGALORE

Monthly Table

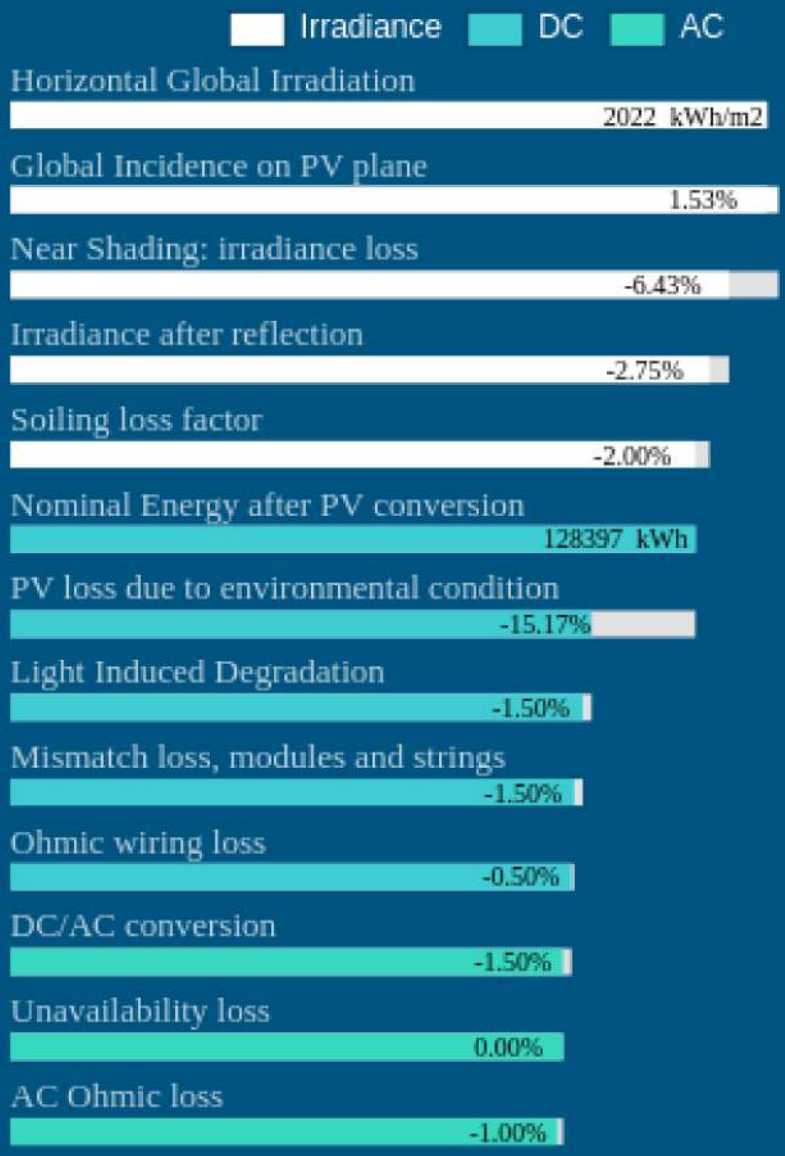
Months	GlobDirect (kWh/m2)	GlobDiffuse (kWh/m2)	GlobEff (kWh/m2)	EArray (kWh)	EGrid (kWh)	Spec Gen	PR
January	290.79	24.95	209.81	10354.31	9747.39	139.07	66.28
February	228.01	36.14	192.52	9861.41	9283.38	132.45	68.8
March	214.41	57.42	214.91	10977.39	10333.94	147.44	68.61
April	171.65	73.32	200.78	10477.06	9862.94	140.72	70.09
May	145.91	86.06	188.47	10086.73	9495.49	135.48	71.88
June	67.32	88.0	133.28	7538.49	7096.62	101.25	75.97
July	63.37	83.46	129.35	7298.76	6870.94	98.03	75.79
August	62.38	87.2	132.95	7450.34	7013.63	100.07	75.27
September	80.88	76.24	134.19	7332.07	6902.3	98.48	73.39
October	121.94	76.7	165.1	9016.67	8488.15	121.1	73.35
November	148.08	59.34	161.44	8739.11	8226.86	117.38	72.71
December	235.5	34.27	189.66	9792.29	9218.31	131.52	69.35
Annual	1830.24	783.1	2052.46	108924.63	102539.95	1462.99	71.79

Field Segments

Orientation	Tilt	Azimuth	Row Spacing	Frame Size	Modules	Power
Portrait	20	216.39	1.11 m	1x1	9	3.87 KW
Portrait	20	127.68	1.096 m	1x1	9	3.87 KW
Portrait	3	173.22	0.025 m	1x1	114	49.02 KW
Portrait	3	173.22	0.025 m	1x1	31	13.33 KW

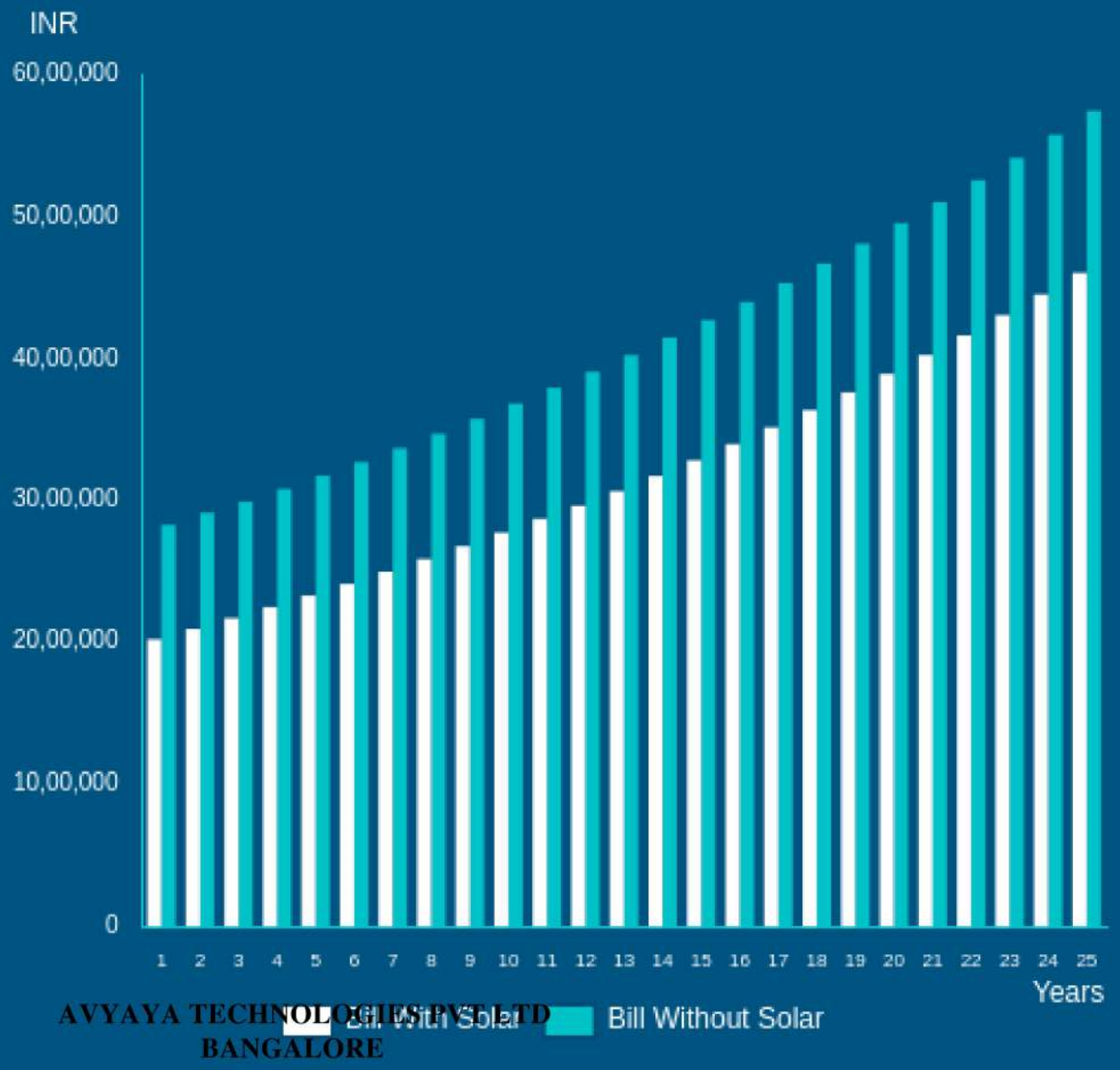
Losses

Loss in generation predicted due to environmental and electrical factors



Cost of Not Going Solar

Your estimated annual electricity bill with and without solar for next 25 years



Impact on Environment

You are contributing to solve Earth's biggest problem - Global Warming.

CARBON DIOXIDE OFFSET	EQUIVALENT ACRES OF FOREST	COAL BURN AVOIDED
1520.8 metric tons	1785.3 acres/year	754 metric tons

Equivalent Number of Trees Planted

25167 trees

Petrol Consumption Avoided

648630.9 litres

Equivalent Kilometers Driven

5979830.4 kms

Shadow Analysis

June 21 9:00 AM

June 21 05:00 PM

Shadow Analysis

December 22 9:00 AM

December 22 05:00 PM

Conclusion: Panels are shadow free for **93.57%** of solar time throughout the year.

Heat Map

Solar Access