



# Anora Series

18 / 36 / 48 / 54 / 60 / 72 Cell Module  
**Multi Crystalline Module**  
NS 3P-220P | 3~220 Watt

Navitas Solar's Modules are best in class in terms of Performance and Reliability.

Our meticulous product design and stringent quality control ensures our modules deliver an exceptionally high PV yield.

Excellent Module Efficiency

Up to 16.4%

PID Resistant



Ideal for Off-grid Application



Highly Reliable Due to Stringent Quality Control

- 100% EL Tested Before and After Lamination
- Over 30 In-house Tests



High Durability Ensured

- Durable PV Modules, Independently Tested for Harsh Environment Conditions Such as Exposure to Salt Mist, Ammonia and Known Pid Risk Factors



Series		12-P	20-P	30-P	40-P	50-P	60-P	80-P	110-P	120-P	150-P	200-P	220-P																											
<b>Electrical</b>																																								
ANORA		8	10	12	18	20	25	30	35	40	50	55	60	65	74	75	80	100	105	110	120	125	130	140	145	150	180	185	190	195	200	205	210	215	220					
Pmax (W)		17.2	17.85	18.89	17	17.15	17.08	17.34	17.74	17.7	17.84	17.89	18.28	18.04	18.12	17.9	17.99	18.09	17.99	18.2	18.4	17.79	17.9	17.99	17.74	17.79	17.85	23.84	23.92	24.37	24.71	25	26.74	26.82	27.05	27.22	27.3			
Voltage Vmax (V)		0.54	0.62	0.67	1.08	1.18	1.48	1.74	1.99	2.1	2.25	2.8	3.01	3.09	3.33	3.6	4.14	4.17	4.43	5.79	5.99	6.75	6.99	7.24	7.9	8.16	8.41	7.56	7.74	7.81	7.89	8	7.48	7.64	7.78	7.91	8.07			
Current Imax (A)		20.8	21.65	21.85	21.25	21.44	21.35	21.62	21.85	21.77	21.95	21.77	22.04	21.45	21.66	22.13	22.04	22.12	22.24	21.84	22.35	22.78	21.58	21.65	21.8	22.25	22.29	22.58	28.84	29.03	29.17	29.36	29.5	32.65	32.79	32.84	32.99	33.2		
Open Circuit Voltage (V)		0.60	0.69	0.78	1.17	1.27	1.60	1.88	2.18	2.28	2.44	3.04	3.28	3.45	3.67	3.5	4.46	4.49	4.76	6.11	6.22	6.4	7.36	7.6	7.79	8.3	8.54	8.7	8.25	7.49	8.72	8.8	8.9	8.1	8.29	8.42	8.55	8.69		
Short Circuit Current (A)		7.39	9.24	11.02	11.08	12.25	9.48	11.38	13.27	12.09	13.07	13.55	14.70	13.052	14.21	15.39	14.55	14.74	15.72	13.67	14.35	15.04	14.20	14.20	14.20	15.39	14.18	14.68	15.19	13.89	14.27	14.65	15.04	15.42	13.71	14.05	14.39	14.73	15.08	
Module Efficiency (%)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Cable Characteristics		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm		
No. of Bypass Diodes		NA	NA	NA	NA	NA	NA	NA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3		
Module Dimension (LXWXH) (mmXmmXmm)		305*355*18	460*355*18	396*666*18	460*665*34	555*665*34	635*665*34	765*665*34	1100*665*34	1270*665*34	1485*665*34	1320*982*34	1485*982*34																											
Mounting Hole Dia & Hole to Hole Distance (mm)		6.9 & 165	6.9 & 300	6.9 & 200	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300	6.9 & 300		
Weight (kgs)		1.4	2.8	3.2	3.8	4.6	5.3	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	
No. of Solar Cells		36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
Cell Matrix		9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	9*4	
Quantity/pallet/40' HC Container		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28/44/1232	28/44/1232	28/44/1232	28/44/1232	28/44/1232	28/44/1232	28/44/1232	28/44/1232	28/44/1232	28/44/1232	28/44/1232	28/44/1232	28/44/1232	28/44/1232

Series		150P (24 V)	200P (24 V)	220P (24 V)
<b>Electrical</b>				
ANORA		120	125	130
Pmax (W)		36.59	36.66	36.83
Voltage Vmax (V)		3.28	3.41	3.53
Current Imax (A)		44.20	44.40	44.60
Open Circuit Voltage (V)		3.61	3.272	8.84
Short Circuit Current (A)		12.08	12.59	13.08
Module Efficiency (%)		4 sqmm	4 sqmm	4 sqmm
Cable Characteristics		3	3	3
No. of Bypass Diodes		10.12*982*34	1320*982*34	1486*982*34
Module Dimension (LXWXH) (mmXmmXmm)		6.9 & 506	6.9 & 600	6.9 & 742.8
Mounting Hole Dia & Hole to Hole Distance (mm)		10.6	13.8	15.5
Weight (kgs)		72	72	72
No. of Solar Cells		12*6	12*6	12*6
Cell Matrix		28/28/784	28/28/784	28/28/784
Quantity/pallet/40' HC Container				

## Applications



Solar Lantern



Solar Street-light



Solar Water-pumps



Solar Home Lighting



Solar Traffic Signs



Rural Electrification



Green Telecom Towers



Electric Vehicle Charging Stations