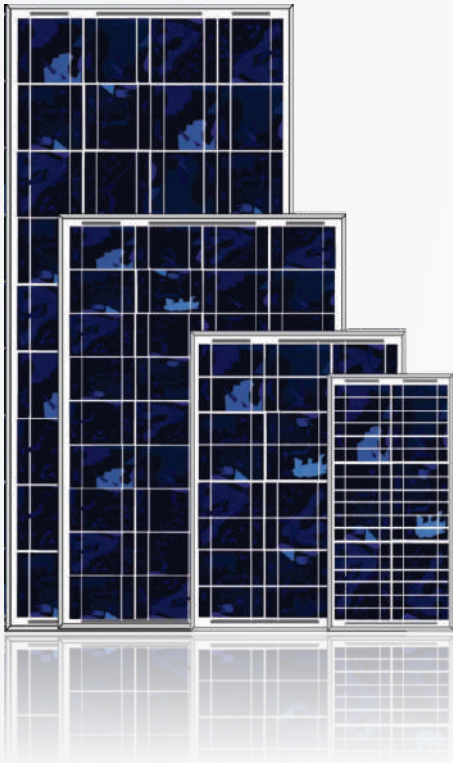




Anora Series

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

SOLAR APPLICATIONS :



Series		ANORA																																						
		12-P	20-P	30-P	40-P	50-P	60-P	80-P	110-P	120-P	140	150	180	195	200	205	210	215	220	220-P																				
Electrical	Pmax (W)	8	10	12	18	20	25	30	35	37	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				
	Voltage Vmax (V)	17.2	17.85	18.89	17	17.15	17.08	17.34	17.74	17.7	17.84	17.89	18.28	17.85	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		
	Current Imax (A)	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	5.57	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		
	Open Circuit Voltage (V)	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		
	Short Circuit Current (A)	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		
	Module Efficiency (%)	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	15.14	15.8	16.62	15.62	16.27	16.92	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		
	Cable Characteristics	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm	4 sqmm		
Mechanical	No. of Bypass Diodes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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	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	995*665*34	1155*665*34	1485*665*34	1320*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*982*34	1485*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			
	Weight (kgs)	1.4	2.8	3.2	3.8	4.6	5.3	6.8	8	10	10.60	13.8	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	
PV Cell	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		
	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		
	Quantity/pallet/40' HC Container	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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	28/44/1232

Applications

Solar Lantern

Solar Street-light

Solar Water-pumps

Solar Home Lighting

Solar Traffic Signs

Rural Electrification

Green Telecom Towers

Electric Vehicle Charging Stations

Electrical	Pmax (W)	120	125	130	135	140	145	150	180	185	190	195	200	0200	205	210	215	220			
	Voltage Vmax (V)	36.59	36.66	36.83	36.89	37.04	37.18	37.22	36.96	37.33	37.41	37.57	37.67	36.21	36.35	36.78	36.95	37.04			
	Current Imax (A)	3.28	3.41	3.53	3.66	3.78	3.90	4.03	4.87	4.96	5.08	5.19	5.31	5.53	5.64	5.74	5.82	5.95			
	Open Circuit Voltage (V)	44.20	44.40	44.60	44.80	44.96	45.14	45.30	44.15	44.3	44.4	44.65	44.78	43.65	43.78	43.9	44.28	44.51			
	Short Circuit Current (A)	3.61	3.272	8.84	3.96	4.10	4.22	4.33	5.35	5.47	5.58	5.69	5.78	6.08	6.14	6.29	6.38	6.45			
	Module Efficiency (%)	12.08	12.59	13.08	13.58	14.09	14.59	15.09	13.85	14.254	14.62	15.01	15.39	13.71	14.05	14.39	14.73	15.08			
	Cable Characteristics	4 sqmm				4 sqmm				4 sqmm				4 sqmm				4 sqmm			
	No. of Bypass Diodes	3				3				3				3				3			
	Module Dimension (LXWXH) (mmXmmXmm)	1012*982*34				1012*982*34				1320*982*34				1320*982*34				1486*982*34			
Mechanical	Mounting Hole Dio & Hole to Hole Distance (mm)	6.9 & 506				6.9 & 506				6.9 & 600				6.9 & 742.8				6.9 & 742.8			
	Weight (kgs)	10.6				10.6				13.8				13.8				15.5			
	No. of Solar Cells	72				72				72				72				72			
PV Cell	Cell Matrix	12*6				12*6				12*6				12*6				12*6			
	Quantity/pallet/40' HC Container	28/28/784				28/28/784				28/28/784				28/28/784				28/28/784			