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Ideas are no one's monopoly

ADITYA URJA
Solar energy products

Solar PV Module Series

		AU 12 V														AU 20 V						AU 24 V															
		6	10	12	18	20	25	30	35	37	40	50	55	55	60	65	74	75	80	100	105	110	120	125	130	140	145	150	175	185	200	250	250	260	280	300	
Electrical	Pmax (W)	10.08	21.24	21.24	21.24	21.24	21.24	21.24	21.24	21.24	21.24	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
	Open Circuit Voltage (VOC)	0.57	0.59	1.15	1.18	1.20	1.35	1.80	1.80	2.10	2.15	2.94	3.10	3.10	3.53	3.71	3.90	4.15	4.20	5.88	5.95	6.05	6.50	7.35	7.49	7.80	7.70	7.35	6.73	7.20	7.24	7.14	8.00	8.10	8.30	8.57	
	Current Imax (A)	8.20	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	
	Voltage at Max Power (VMP)	0.61	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	8.8	8.42	8.45	8.29	8.42	8.55	
Mechanical	Short Circuit Current (A)	7.11	8.88	10.68	9.21	10.23	9.46	11.38	13.27	11.97	12.94	12.35	13.58	11.78	12.83	13.90	13.00	13.17	14.05	13.03	13.89	14.34	13.66	14.23	14.80	14.09	14.59	15.09	13.85	14.24	15.01	15.39	13.71	14.05	14.39	14.73	
	Module Efficiency %	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	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
	Cable Characteristics	231x353x17	289x449x21	349x525x22				509x675x30	555x675x30	660x755x30							535x1025x30	675x1125x30									675x1225x30	985x1480x40				985x1580x40	985x1625x40			985x1965x40	
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	
	Cell matrix	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	9x4	

Solar Street Light

Model Number	Wattage (LED)	Pole Height	Battery	Solar PV Module
AUST 001	6 W LED	12 FT	20 AH	37 Wp
AUST 002	9W LED	15 FT	40 AH	50 Wp
AUST 003	12W LED	18 FT	60 AH	75 Wp
AUST 004	15W LED	21 FT	75 AH	100 Wp
AUST 005	18W LED	24 FT	100 AH	125 Wp

Solar Power Plant

Capacity	Inverter	Batteries	Solar PV Module
1 KW	1 KW MPPT based	200 AH x 2 Units	250 Wp x 4 Units
5 KW	5 KW SMART PCU	200 AH x 10 Units	250 Wp x 20 Units
10 KW	10 KW HYBRID PCU	200 AH x 20 Units	250 Wp x 40 Units
100 KW	100 KW PCU	2 Cell Batteries	250 Wp x 400 Units

Solar Flood Lights

Specifications	Solar Module	Battery Capacity	Application
6 W x 3 Unit	75 Wp	60 AH	Home Garden
9 W x 3 Unit	150 Wp	100 AH	Gardens
12 W x 2 Unit	150 Wp	100 AH	Grounds, Townships
15 W x 2 Unit	15 Wp	100 AH	Open Plots, Hotels etc.

Solar Pumping System

Pump Capacity	Solar PV Module	Pump Controller
0.5 HP	750 Watt	0.5 HP Controller
1 HP	1200 Watt	1 HP Hybrid Controller
2 HP	2000 Watt	2 HP Hybrid Controller
5 HP	5000 Watt	5 HP Smart Inverter
7.5 HP	7500 Watt	7.5 HP Smart PCU
10 HP	10000 Watt	10 HP Smart PCU
Customized Capacity	As per Capacity	Customized

This system will work without battery and can be operated on Normal AC pumps with Zero maintenance system.

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- Hoarding
- Cold Storage

Solar Lantern



Solar Traffic Signs



Solar Street-light



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