

VARIOUS MODELS



SM1-1P
(750W)



SM1-2P
(1 kW)



SM2-3P
(1.75 kW)



SM2-6P
(2.5 kW)

VARIOUS MODEL COMPARISON

Entire System	SM1-1P	SM1-2P	SM2-3P	SM2-6P
SolarMill Dimensions	1460 mm (L) x 850 mm (W) x 1900mm (H)	1460 mm (L) x 1840 mm(W)x1900mm(H)	2950 mm (L) x 692 mm (W)x1732 mm (H)	3100mm(L) x 2555mm (W) x 1 9 0 0 m m (H)
Weight	185 lbs 83.91 kgs	225 lbs 102.06 kgs	410 lbs 185.97 kgs	555 lbs 251.74 kgs
Cover Material	UV Resistant HDPE	UV Resistant HDPE	UV Resistant HDPE	UV Resistant HDPE
Frame	Galvanized G-90 Steel and Aluminum	Galvanized G-90 Steel and Aluminum	Galvanized G-90 Steel and Aluminum	Galvanized G-90 Steel and Aluminum
Electronics Enclosure Rating	IP53	IP53	IP53	IP53
Electrical Connection	On-Board Battery Charge Controller Grid-Tied Inverter (Optional)	On-Board Battery Charge Controller Grid-Tied Inverter (Optional)	On-Board Battery Charge Controller Grid-Tied Inverter (Optional)	On-Board Battery Charge Controller Grid-Tied Inverter (Optional)
Generator	Permanent Magnet Axial Gap	Permanent Magnet Axial Gap	Permanent Magnet Axial Gap	Permanent Magnet Axial Gap
Design Life	20 Years	20 Years	20 Years	20 Years
Wind Component	SM1-1P	SM1-2P	SM2-3P	SM2-6P
Turbine Rated Power Output	143 W @ 11 m/s	143 W @ 11 m/s	286 W @ 11 m/s	286 W @ 11 m/s
Wind Component Maximum Power Output	500 W @ 17 m/s	500 W @ 17 m/s	1000 W @ 17 m/s	1000 W @ 17 m/s
Maximum Voltage	57 DC	57 DC	57 DC	57 DC
Maximum Current	30 Amps	30 Amps	30 Amps	30 Amps
Rotor Diameter	13 in 0.33 m	13 in 0.33 m	13 in 0.33 m	13 in 0.33 m
Cut-In Wind Speed	4.5 mph 2 m/s	4.5 mph 2 m/s	4.5 mph 2 m/s	4.5 mph 2 m/s
Cut-Out Wind Speed	38 mph 18.5 m/s	38 mph 18.5 m/s	38 mph 18.5 m/s	38 mph 18.5 m/s
Swept Area	1,519 in ² 0.980m ²	1,519 in ² 0.980m ²	1,519 in ² 0.980m ²	1,519 in ² 0.980m ²
Turbine Material	Galvanized G90 Steel	Galvanized G90 Steel	Galvanized G90 Steel	Galvanized G90 Steel
Solar Component	SM1-1P	SM1-2P	SM2-3P	SM2-6P
Maximum Power (Pmpp)	245 W	490 W	735 W	1470 W
Voltage at Max Power (Vmpp)	30.1 V	30.1 V	30.1 V	30.1 V
Current at Max Power (Impp)	8.2 A	8.2 A	8.2 A	8.2 A
Open Circuit Voltage (Voc)	37.7 V	37.7 V	37.7 V	37.7 V
Short Circuit Voltage (Isc)	8.7 A	8.7 A	8.7 A	8.7 A
* Reduction in module efficiency with decrease in irradiation level from 1000 W/ m ² to 200 W/m ² (at 25 degrees C)				
Maximum System Voltage	1000 V	1000 V	1000 V	1000 V
Solar Cells	Monocrystalline	Monocrystalline	Monocrystalline	Monocrystalline
No. of Cells	60	120	180	360

CONTACT INFORMATION :