

Eco-Solar Technologies PTE LTD

Energy generation – through WEG assuming 16 to 18 Kmph & typical sun hours 4 to 5 hours / day

Description	800Watts	1800Watts	3900Watts	5100Watts	10000Watts
Model No. (WEG)	“UE-6”	“UE-15”	“UE-33”	“UE-42”	2 x “UE-42”
Make	- UNITRON -				
Capacity	650watts	1500watts	3300watts	4200watts	2 x 4200watts
Cost	SGD 4000/-	SGD 10000/-	SGD 18000/-	SGD 23000/-	SGD 45000/-
Solar PV					
Make	- E C O S O L A R -				
Capacity	150watts	300watts	600watts	900watts	1600watts
Cost	SGD 1900/-	SGD 4000/-	SGD 8000/-	SGD 12000/-	SGD 22000/-
Energy Generation through WEG-SPV Hybrid System	2.6 to 3.8 kWh/day	7.0 to 9.5kWh/day	14.0 to 18 kWh/day	17.0 to 22kWh/day	32.0 to 44kwh/day
Load	7 Nos. 15w CFL, 2 Fan, 1 TV OR (400WATTS)	15 Nos. 15W CFL, 5 FAN, 2TV, 2Comp. OR (1000WATTS)	20 Nos. 15W CFL, 7 FAN, 2 TV, 2Comp. & ½ HP Pump OR (1800WATTS)	20 Nos. 15W CFL, 7 FAN, 2 TV, 2Comp. & ½ HP Pump OR (1800WATTS)	50 Nos. 15W CFL 25 FAN, 1HP Pump OR (3500WATTS)
Usage Time **	4 TO 6 HRS.	5 TO 7 HRS.	5.5 TO 8 HRS.	7 TO 10 HRS.	8 TO 12 HRS.
System Voltage	24V	24V	48V	48V	96V
Tower	- UNITRON Make Guyed Piped Type -				
Size	30 ft. (roof top)	40 ft. (ground level)	40 ft.(ground level)	40ft. (ground level)	2x40ft (ground level)
Cost	SGD 900/-	SGD 1100/-	SGD 2100/-	SGD 2200/-	SGD 4000/-
Battery	- Tubular stationary -				
Capacity	12V/165AH 2 NOS.	12V/165AH 6 NOS.	12V/150AH 12 NOS.	12V/150AH 16 NOS.	12v/200AH 24 NOS.
Cost	SGD 2000/-	SGD 6000/-	SGD 11000/-	SGD 15000/-	SGD 27000/-
Inverter	- S O L K A R M a k e -				
Type	Quasi sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Capacity	24V/600VA	24V/1.4KVA	48V/2.5KVA	48V/2.5KVA	96V/5.0KVA
Cost	SGD 500/-	SGD 700/-	SGD 1400/-	SGD 1500/-	SGD 2700/-
Cable set (from WEG top to bottom & WEG-SPV to control room with accs.)	25M	50M	50M	50M	50M
Cost	SGD 1000/-	SGD 1200/-	SGD 1500/-	SGD 1900/-	SGD 3700/-
Civil work	- T o b e c a r r i e d o u t b y U s e r -				
Cost (approx.)	SGD 400/-	SGD 800/-	SGD 1400/-	SGD 2000/-	SGD 5000/-
Installation & Comm. Cost	SGD 1500/-	SGD 2000/-	SGD 2500/-	SGD 3000/-	SGD 5000/-
Total	SGD 12200/-	SGD 25800/-	SGD 45900/-	SGD 60600/-	SGD 114400/-
VAT	- E X T R A -				

Cont.....2/-

** USAGE TIME WILL CONSIDERBLY INCREASE IF THE SITE HAS GOOD WIND RESOURCE > 5.4 M/S

Important Notes:-

- No Validity for cost of BATTERIES since they vary widely with LEAD prices
- All prices shown above are for estimation / guideline purpose only.
- Transportation & conveyance charges EXTRA at actual.
- The solutions shown above are typical can be customized according to the needs such as increasing the size of battery bank, solar panels, height of tower, type of the tower.
- The equipment shown carry **2 YEARS WARRANTY** against all manufacturing defects. All parts shall be supplied **FREE OF COST** however labour, transportation cost if any, will be charged extra.
- The hybrid systems suggested above are for typical configurations, which may in general meet most requirements we can always customize according to the needs in case the above suggestions do not meet your requirement.