

3. Data Radiasi Matahari

Radiasi Matahari per Bulan di Jalan Ring Road Selatan Yogyakarta

(Sumber: *Solar Resource Input Homer*)

Bulan	Indek Kecerahan	Radiasi Harian (kWh/m ² /d)
Januari	0.396	4.280
Februari	0.413	4.470
Maret	0.437	4.590
April	0.484	4.720
Mei	0.533	4.730
Juni	0.542	4.550
Juli	0.559	4.800
Agustus	0.536	5.250
September	0.545	5.540
Oktober	0.506	5.390
November	0.438	4.710
Desember	0.426	4.570
Rata-rata	0.486	4.8

4. Solar Panel / PV



CanadianSolar

**MAXPOWER
CS6U-340 | 345 | 350 | 355P
HIGH EFFICIENCY POLY MODULE**

Canadian Solar's modules use the latest innovative poly-PERC cell technology, increasing module power output and system reliability, ensured by 17 years of experience in module manufacturing, well-engineered module design, stringent BOM quality testing, an automated manufacturing process and 100% EL testing.

25 years linear power output warranty

(Sumber: <https://www.canadiansolar.com/en/solarPanels/detail/31>)

Spesifikasi Panel Surya

Spesifikasi	Keterangan
Nominal Max. Power (Pmax)	340 W
Opt. Operating Voltage (Vmp)	37.6 V
Opt. Operating Current (Imp)	9.05 A
Open Circuit Voltage (Voc)	45.9 V
Short Circuit Voltage (Isc)	9.62 A
Operating Temperature	-40°C ~ +85°C
Max System Voltage	1000 V
Max Series Fuse	15 A
Weight	22.4 kg
Dimension	1960 x 992 x 35 mm

5. Wind Turbin/Turbin Angin



(Sumber: <http://www.energi-alam.com>)

Spesifikasi Wind Turbin TSA300Watt

Star-up wind speed	1 m/s
Rated wind turbin	13 m/s
Max. design wind speed	65m/s
Rated output	300 W
Type	Wind Power Generator
Diameter	1.09 m
Weight	26 kg
Temperature range	-40 ° C - 80 ° C
Output	48 VDC
Generator Type	Generator Maglev

6. Converter



(Sumber: www.alibaba.com)

Spesifikasi Inveter CPT5000

Model	CPT5000
Output Power	5000 W
DC Input Voltage	24/48VDC
Output Voltage	220/230/240VAC \pm 3%
Outpu Frequency	50/60Hz \pm 0.5%
Efficiency	95%
Charge Current	70 A
Type	DC/AC Inverter
Weight	33 kg
Size	650*255*195 cm

7. Baterai



		6 VOLTS		
CONTAINER: (INNER)	Polypropylene	WEIGHT DRY:	115 kg	254 Lbs.
COVER: (INNER)	Polypropylene - heat sealed to inner container	WEIGHT WET:	144 kg	318 Lbs.
CONTAINER: (OUTER)	High Density Polyethylene	LENGTH:	559 mm	22 Inches
COVER: (OUTER)	High Density Polyethylene snap fit to outer container	WIDTH:	286 mm	11 1/4 Inches
TERMINALS:	Flag with stainless steel nuts & bolts	HEIGHT:	464 mm	18 1/4 Inches
HANDLES:	Molded			



(Sumber: <http://www.rollsbattery.com/>)

Spesifikasi Baterai Surrette 6 CS 25P

Part Number	6 CS 25P
Capacity	820 Ah
Voltage	6 V
Dimensions	22x11.25x18.25 cm