

TURCAM Sarl

BP: 12299 Bastos, Yaounde, Cameroon|Tax payers # M011000030212N|T: +237 95036753 - 22737051

SOLAR KIT 3,2KWp - 1day

Example of use:

Appliances	Number	Estimated Unit Power (W)	Total power (W)	Operating hour/day	Energy consumption (Wh)
Bulb	10	15	150	6	900
Fluorescent tube	7	36	252	5	1260
Home cinema	1	200	200	5	1000
Refrigerator	1	130	130	8	1040
Freezer	1	250	250	5	1250
Iron	1	1000	1000	0,5	500
Mixer	1	180	180	0,1	18
Fan	1	90	90	3	270
Computer Desktop	1	250	250	5	1250
Laptop	1	50	50	5	250
LED Street light	1	40	40	12	480
Air Conditioner	1	1100	1100	3	3300

Total	4492
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To summarize, the main equipments of the solar system will consist of:

- 16 Photovoltaic module 200Wp
- 16 Module support
- 2 STECA Solarix Controller 4401 48V-40A
- 12 ENERSYS POWER SAFE batteries 12V-170Ah
- 1 ESIS POWER ELITM 4048 SERIES 48V-4000W Inverter
- 1 Electric box and battery support

The autonomy can be increased by:

- Managing the consumption properly (exple: turn off TV or some lamps if not needed or necessary), only turn on the lamps which are essential. By operating this way, we can get autonomy even up to 3j and more depending on the use.
- Adding the number of batteries.

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PRO FORMA Invoice

Item	Qty	Unit P. CFA	Total P. CFA
Photovoltaic module 200Wp	16	263 449	4 215 184
Module support	16	50 000	800 000
STECA Solarix Controller 4401	2	350 000	700 000
ENERSYS POWER SAFE batteries 12V-170Ah	12	315 000	3 780 000
ESIS POWER ELITM 48V-4000W INVERTER	1	1 201 016	1 201 016
Electric box and battery support	1	600 000	600 000

Total **11 296 200**

VAT Exonerated

Total DP (FCFA)	11 296 200
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SOLAR KIT INSTALLATION

