

Hostel	Occupancy					
Dorm bed	10					
Private Room	5					
PP/Persona Dorm	Unidades	Potencia/unit W	Total W	Hours/day	Total KWh	
Lampara Cama	1	10	10	2	20	
Enchufe Cama L	1	60	60	2	120	
USBs Locker	2	2.5	5	2	10	
USBs Cama	2	2.5	5	2	10	
		TOTAL	80		160	
Power Shared Ba	Unidades	Potencia/unit W	Total W	Hours/day	Total KWh	
Main Socket	2	60	120	2	240	
Bathroom light	4	10	40	2	80	
		TOTAL	160		320	
Peak power/private	Units	Potencia/unit W	Total W	Hours/day	Total KWh	
Bed Lamp	2	10	20	2	40	
Laptop Plug	2	60	120	2	240	
Luz Cuarto	2	10	20	4	80	
Luz Bathroom	1	10	10	2	20	
bathroom Plug	1	60	60	1	60	
		TOTAL	210		400	
		HOSTEL	Potencia Pico (w)		consumo diario (Wh)	
		TOTAL DORM	800 W		1600 Wh/day	
		TOTAL Private	1050 W		2000 Wh/day	
		TOTAL Bathroom	160 W		320 Wh/day	
		COMMON AREA	40	6	240	4 10 W lights for :
		TOTAL	2050 W		4160	Wh/day

COCINA	Unidades	Potencia/unit W	Total W	Hours/day	Total KWh
Nevera	2	100	200	8	1600
Congelador	1	150	150	8	1200
Tostadora	2	800	1600	2	3200
Plancha	1	1200	1200	5	6000
Friegaplatos Sol	1	500	500	2	1000
Luces	2	10	20	4	80
Mampara	1	200	200	6	1200
Hervidora Aga/C	1	1500	1500	2	3000
Maquina Zumo	2	300	600	2	1200
Microondas	1	1000	1000	1	1000
OTROS					
		TOTAL	6970		19480
BAR	Unidades	Potencia/unit W	Total W	Hours/day	Total KWh
Nevera	2	100	200	8	1600
Maquina Hielo	1	240	240	8	1920
Beer Cooler	1	100	100	8	800
Cafetera	1	1200	1200	4	4800
Laptop	1	60	60	12	720
Point of Sale	2	20	40	10	400
Caja Registrador	1	100	100	12	1200
Luces	2	10	20	6	120
Cargadores Mov	4	5	20	4	80
		Total	1980		11640
COMEDOR	Unidades	Potencia/unit W	Total W	Hours/day	Total KWh
Euipo Audio	1	80	80	12	960
Luces	4	10	40	6	240
Enchufes	6	60	360	6	2160
Television LED	1	80	80	4	320
		TOTAL	560		3680
Banos	Unidades	Potencia/unit W	Total W	Hours/day	Total KWh
Luces	4	10	40	6	240
Secador Manos	2	PAPAE			
		TOTAL	40		240

	Restaurante/bar	Potencia Pico (w)	consumo diario (kWh)
	Cocina	6970	19480
	Bar	1980	11640
	Comedor	560	3680
	Baños	40	240
	TOTAL Peak W	9550	35040

Production pv worst month					
Potencia Pico	12	KWp			
hsp	4.3285	horas			
Production	51.942	Kwh/da y			
M2	40				
time	Irradiance w/m2	produc kwh	%	Produccion Siste	Produccion acum
07:22	46	11.5	0.2656809518	0.138	0.138
07:37	180	45	1.039621116	0.54	0.678
07:52	228	57	1.316853413	0.684	1.362
08:07	274	68.5	1.582534365	0.822	2.184
08:22	318	79.5	1.836663971	0.954	3.138
08:37	360	90	2.079242232	1.08	4.218
08:52	399	99.75	2.304493473	1.197	5.415
09:07	435	108.75	2.512417697	1.305	6.72
09:22	469	117.25	2.708790574	1.407	8.127
09:37	500	125	2.887836433	1.5	9.627
09:52	528	132	3.049555273	1.584	11.211
10:07	553	138.25	3.193947095	1.659	12.87
10:22	575	143.75	3.321011898	1.725	14.595
10:37	594	148.5	3.430749682	1.782	16.377
10:52	610	152.5	3.523160448	1.83	18.207
11:07	622	155.5	3.592468523	1.866	20.073
11:22	632	158	3.650225251	1.896	21.969
11:37	638	159.5	3.684879288	1.914	23.883
11:52	641	160.25	3.702206307	1.923	25.806
12:07	641	160.25	3.702206307	1.923	27.729
12:22	638	159.5	3.684879288	1.914	29.643
12:37	632	158	3.650225251	1.896	31.539
12:52	622	155.5	3.592468523	1.866	33.405
13:07	610	152.5	3.523160448	1.83	35.235
13:22	594	148.5	3.430749682	1.782	37.017
13:37	575	143.75	3.321011898	1.725	38.742
13:52	553	138.25	3.193947095	1.659	40.401
14:07	528	132	3.049555273	1.584	41.985
14:22	500	125	2.887836433	1.5	43.485
14:37	469	117.25	2.708790574	1.407	44.892
14:52	435	108.75	2.512417697	1.305	46.197
15:07	399	99.75	2.304493473	1.197	47.394
15:22	360	90	2.079242232	1.08	48.474
15:37	318	79.5	1.836663971	0.954	49.428
15:52	274	68.5	1.582534365	0.822	50.25
16:07	228	57	1.316853413	0.684	50.934

16:22	180	45	1.039621116	0.54	51.474
16:37	124	31	0.7161834354	0.372	51.846
16:52	32	8	0.1848215317	0.096	51.942
	4328.5	Wh/m2dia dicien	100	51.942	Kwh