

How can you select the appropriate subscribed demand (meter size)?

You may assess the subscribed demand by taking account of the loads of all electrical appliances that you intend to operate simultaneously, as shown below:

Sum of loads of all electrical appliances that may operate simultaneously	Subscribed demand
Up to 3,400 W	3.4 kVA
From 3,400 to 6,900 W	6.9 kVA
From 6,900 to 11,500 W	11.5 kVA
From 11,500 to 13,800 W	13.8 kVA*
From 13,800 to 20,700 W	20.7 kVA*

* Three-phase installation

Service circuit-breaker

For control of the subscribed demand, we will install a service circuit-breaker with a rating, as shown below:

Subscribed demand	Service circuit-breaker
3.4 kVA	1 x 16 A
6.9 kVA	1 x 32 A
11.5 kVA	1 x 50 A
13.8 kVA	3 x 20 A
20.7 kVA	3 x 32 A

Examples may help you in selecting your subscribed demand:

If you intend to use electricity for:

1		Addition 2		Addition 3	
Television	x1	Air-conditioner	x2	Air-conditioner	x4
Stereo	x1	Washing machine	x1	Washing machine	x1
Dehumidifier	x1	Space heater	x2	Space heater	x4
Fan	x1	Dishwasher	x1	Dishwasher	x1
Rice cooker	x1			Water heater	x1
Lighting	x1			Electric oven	x1
Refrigerator	x1				
Iron	x1				

Only if not more than two electrical appliances operate simultaneously.

Only if not more than four electrical appliances operate simultaneously.

If you intend to use all the electrical appliances mentioned in the above examples, without restrictions, you may select a subscribed demand value of 13.8 kVA, 20.7 kVA or a higher value. In such case, or when the quantity of electrical appliances (or type) does not correspond to our examples, you may contact us to assist you to choose the adequate subscribed demand.

Loads of electrical appliances

To help you calculate the subscribed demand, we provide you some common electrical appliances and their corresponding power as below:

Appliance	Power (W) **
Incandescent lamp	5 – 250
Compact fluorescent lamp	4 – 30
Fluorescent tube	14 – 65
Television	50 – 400
Computer	80 – 300
Stereo	20 – 100
Fan	20 – 60
Air-conditioner	1,000 – 3,000
Space heater	1,000 – 3,000
Dehumidifier	200 – 500
Refrigerator	100 – 300
Rice cooker	300 – 1,500
Exhaust hood	40 – 150
Microwave oven	500 – 1,500
Electric oven	1,000 – 5,000
Induction cooker	1,500 – 4,000
Electric pot	600 – 2,000
Toaster	600 – 1,000
Washing machine	500 – 3,000
Clothes dryer	1,000 – 3,000
Vacuum cleaner	300 – 1,000
Dishwasher	2,000 – 3,000
Dish disinfecting cabinet	500 – 1,000
Iron	400 – 1,000
Hair dryer	600 – 1,500
Storage-type water heater	1,500 – 6,000

**The power of the electrical appliance is an estimate only. Please refer to your electrical appliance manual for the actual power.

Subscribed Demand



1 We recommend a subscribed demand of 3.4kVA.

1+2 We recommend a subscribed demand of 6.9kVA.

1+3 We recommend a subscribed demand of 11.5kVA.