



# Powersafe HomeUPS Backup Time Chart\*

| Load  | Watts       | 100         | 200         |  |         |             |   |         |             |  |
|---|-------------|-------------|-------------|--|---------|-------------|---|---------|-------------|--|
|   | <b>Load</b> | <b>Half</b> | <b>Full</b> |  |         |             |   |         |             |  |
| <b>PS-400i</b><br>Battery: 12V x 1<br>DC Bus: 12V<br>Charger: 3 Amp   | 18AH        | 1h20m       | 30m         |  |         |             |   |         |             |  |
|   | 25AH        | 2h15m       | 50min       |  |         |             |   |         |             |  |
|   | 40AH        | 4h          | 1h30m       |  |         |             |   |         |             |  |
|   |             | 65AH        | 7h          | 3h   |         |             |   |         |             |  |
| Load  | watts       | 150         | 300         | 450  | 600     | 720         |   |         |             |  |
|   | <b>Load</b> |             |             |  |         | <b>Full</b> |   |         |             |  |
| <b>PS-1200i</b><br>Battery: 12V x 1<br>DC Bus: 12V<br>Charger: 10 Amp | 65AH        | 4h          | 1h30m       | 55min  | 38min   | 30min       |  |         |             |  |
|   | 80AH        | 5h          | 2h15m       | 1h20m  | 55min   | 42min       |   |         |             |  |
|   | 100AH       | 7h          | 3h          | 1h45m  | 1h12min | 57min       |   |         |             |  |
|   | 120AH       | 9h          | 4h          | 2h   | 1h30m   | 1h12m       |   |         |             |  |
|   | 150AH       | 11h         | 5h          | 3h   | 2h15m   | 1h45m       |   |         |             |  |
|   | 190AH       | 15h         | 7h          | 4h   | 3h      | 2h20m       |   |         |             |  |
| Load  | watts       | 150         | 300         | 450  | 600     | 720         | 900   | 1200    | 1440        |  |
|   | <b>Load</b> |             |             |  |         | <b>Half</b> |   |         | <b>Full</b> |  |
| <b>PS-2400i</b><br>Battery: 12V x 2<br>DC Bus: 24V<br>Charger: 10 Amp | 65AH        | 9h          | 4h          | 2h   | 1h30m   | 1h12m       | 55min   | 38min   | 30min       |  |
|   | 80AH        | 13h         | 5h          | 3h   | 2h15m   | 1h45m       | 1h20m   | 55min   | 42min       |  |
|   | 100AH       | 17h         | 7h          | 4h   | 3h      | 2h20m       | 1h45m   | 1h12min | 55min       |  |
|   | 120AH       | 20h         | 9h          | 5h30   | 4h      | 3h          | 2h  | 1h30m   | 1h12m       |  |
|   | 150AH       | 27h         | 11h         | 8h   | 5h      | 4h15m       | 3h  | 2h15m   | 1h45m       |  |
|   | 190AH       | 35h         | 15h         | 10h  | 7h      | 5h30m       | 4h  | 3h      | 2h20m       |  |

**\* Notes (Very Important):-**

1. All HomeUPS are having **10 Amps** Charger, except 400i which is having **3A** charger.
2. We recomand from 65 to 200AH battery with 1200i & 2400i, 18 to 65AH with 400i.
3. The backup time is calculated with thick palate **Inverter** grade fully charged battery.
4. **Automotive** and Local Make batteries are not designed for such applications and may not give you proper backup.
5. Back-up time is purely battery dependent & may vary with type & condition of batterries, battery maintenance, change
6. The load consideration is a typical load & can vary with brand, type & capacity of the equipments.

|                          |                      |
|--------------------------|----------------------|
| Tube Light               | 75W                  |
| Tube Light (Elec. Choke) | 40W                  |
| Fan                      | 75W                  |
| CFL                      | Calc Double (0.55pf) |
| PL Tubes                 | Calc Double (0.55pf) |
| Computer System          | 250W                 |
| TV 25" to 29"            | 250W onwards         |

7. Following Equipment (and similar other equipments) not supported on above models.

Air Conditioner, Room Heater, Water Heater, Boiler, Motor, Grill Oven, Microwave Oven, Electric Iron, Refrigerators