

# HP900C II Series

1~3kVA

1:1 Phase PF:0.8



Control Panel  
Up to 50 items set by LCD

## Features

- High frequency and double conversion on-line technology
- Digitized microprocessor control optimizes reliability
- Wide input voltage range (110V – 300V)
- Input power factor correction
- Output power factor 0.8
- UPS start up without battery
- Cold start function
- Converter mode available
- ECO mode available
- Generator compatible
- Smart SNMP works with either USB or RS-232 together
- EPO function optional
- Input L and N reversed alarm function
- Optional extension battery pack
- Comprehensive display allows easy monitoring and access of UPS status
- OVCD optional



USB



SNMP



Drycontact card



Mini dry contact card



Rear Panel

Terminal Block



Battery Cabinets.  
(Optional)



Optimized battery configuration  
1k:24Vdc,2k:48Vdc,  
3k:72Vdc

## Technical Specifications:

| MODEL                               |                         | HP II 1K(H/H-B/S)                                                              | HP II 2K(H/H-B/S)             | HP II 3K(H/H-B/S)     |
|-------------------------------------|-------------------------|--------------------------------------------------------------------------------|-------------------------------|-----------------------|
| PHASE                               |                         | Single phase with ground                                                       |                               |                       |
| Capacity(VA/Watts)                  |                         | 1000/800                                                                       | 2000/1600                     | 3000/2400             |
| <b>INPUT</b>                        |                         |                                                                                |                               |                       |
| Nominal Voltage                     |                         | 200/208/220/230/240Vac                                                         |                               |                       |
| Input Voltage Range                 |                         | 110 ~ 300Vac at 60% load , 160 ~ 300Vac at 100% load                           |                               |                       |
| Frequency Range                     |                         | 45~55Hz/55~65Hz                                                                |                               |                       |
| Power Factor                        |                         | ≥ 0.99 @Nominal voltage (100% load)                                            |                               |                       |
| <b>OUTPUT</b>                       |                         |                                                                                |                               |                       |
| Output Voltage                      |                         | 200/208/220/230/240Vac                                                         |                               |                       |
| Voltage Regulation                  |                         | ± 1%                                                                           |                               |                       |
| Frequency Range(Synchronized Range) |                         | 45 ~ 55Hz/56 ~ 64Hz                                                            |                               |                       |
| Frequency Range(Batt.Mode)          |                         | 50Hz/60Hz ± 0.1Hz                                                              |                               |                       |
| Current Crest Ratio                 |                         | 3:1                                                                            |                               |                       |
| Harmonic Distortion(THDv)           |                         | ≤3% (Linear load) ≤6% (Non-linear load)                                        |                               |                       |
| Transfer Time                       | AC to DC                | Zero                                                                           |                               |                       |
|                                     | Inverter to Bypass      | 4ms(Typical)                                                                   |                               |                       |
| Waveform                            |                         | Pure Sinewave                                                                  |                               |                       |
| <b>EFFICIENCY</b>                   |                         |                                                                                |                               |                       |
| AC Mode                             |                         | 88%                                                                            | 89%                           | 90%                   |
| Battery Mode                        |                         | 83%                                                                            | 85%                           | 86%                   |
| <b>BATTERY</b>                      |                         |                                                                                |                               |                       |
| Standard Model                      | Battery Type            | 12V/9AH                                                                        | 12V/9AH                       | 12V/9AH               |
|                                     | Numbers                 | 2                                                                              | 4                             | 6                     |
|                                     | Typical Recharge Time   | 5 hours recover to 90% capacity                                                |                               |                       |
|                                     | Charging Current(max.)  | 1.0A                                                                           |                               |                       |
|                                     | Charging Voltage        | 27.4Vdc ± 1%                                                                   | 54.7Vdc ± 1%                  | 82.1Vdc ± 1%          |
| Long-run Model                      | Battery Numbers         | Depending on the capacity of external batteries                                |                               |                       |
|                                     | Charging Current(max.)  | 7A/14A(double board)                                                           | 6A/12A(double board)          | 6A/12A(double board)  |
|                                     | Charging Voltage        | 41.0Vdc/27.4Vdc ± 1%                                                           | 54.7Vdc/82.1Vdc/109.4Vdc ± 1% | 82.1Vdc/109.4Vdc ± 1% |
| <b>INDICATORS</b>                   |                         |                                                                                |                               |                       |
| LCD                                 |                         | Load level,Battery level,AC mode,Battery mode,Bypass mode,and Fault indicators |                               |                       |
| <b>ALARM</b>                        |                         |                                                                                |                               |                       |
| Battery mode                        |                         | Sounding every 4 seconds                                                       |                               |                       |
| Low Battery                         |                         | Sounding every second                                                          |                               |                       |
| Overload                            |                         | Sounding twice every second                                                    |                               |                       |
| Fault                               |                         | Continuously sounding                                                          |                               |                       |
| <b>PHYSICAL</b>                     |                         |                                                                                |                               |                       |
| Standard model                      | Dimension (D × W × H)mm | 368 × 144 × 215                                                                | 468 × 191 × 340               |                       |
|                                     | Net Weight (kgs)        | 10.0                                                                           | 21.0                          | 26.0                  |
| Long-run model                      | Dimension (D × W × H)mm | 368 × 144 × 215                                                                | 468 × 191 × 340               |                       |
|                                     | Net Weight (kgs)        | 5.6                                                                            | 11.0                          | 11.5                  |
| <b>ENVIRONMENT</b>                  |                         |                                                                                |                               |                       |
| Humidity                            |                         | 20 ~ 90% RH @ 0 ~ 40°C (Non-condensing)                                        |                               |                       |
| Noise level                         |                         | <55dB @ 1 Meter                                                                |                               |                       |
| <b>MANAGEMENT</b>                   |                         |                                                                                |                               |                       |
| Smart RS-232/USB                    |                         | Supports Windows® 2000/2003/XP/Vista/2008 Windows® 7/8 Linux,FreeBSD and MAC   |                               |                       |
| Optional SNMP                       |                         | Power management from SNMP manager and web browser                             |                               |                       |

Specifications are subject to change without prior notice.