

# HP i 33

10 - 40 kVA  
3 Phase UPS Systems



HP i 33 UPS is designed with DSP controller & latest generation components to support IT, BFSI and Telecom loads.

HP i 33 offer maximum availability and power quality solution in compact foot print as an ideal budgetary solution for our customers.

## FEATURES

### 1. Compact Footprint:

Reduces real estate cost Compact foot print from 10 - 40 kVA.

### 2. Load Power Factor:

More active power to load UPS, design PF with 0.9 for 10 - 30 kVA & unity for 40 kVA.

### 3. Isolation Transformer Option:

Generating stable neutral Isolation for neutral disturbances and with minimum foot print.

### 4. Long Backup Charger:

Faster charging for higher AH batteries. Charger can handle the large capacity batteries for long backup option as standard feature.

### 5. Operating Voltage Range:

Less battery usage and extends its life UPS designed with wide input voltage range ensures the UPS is always in mains mode.

### 6. Input Power Quality:

Clean power to the grid Advanced APFC helps to reduce the THDi <5% & Power factor >0.99 at rated load.

### 7. Battery:

Optimise capex and opex. Flexibility in battery configuration helps to optimize the battery usage. Option to choose the battery from  $\pm 96$  V to  $\pm 120$  V for 10 - 30 kVA &  $\pm 192$  V to  $\pm 240$  V for 40 kVA.

### 8. Dust Filter:

The standard feature in the product helps to filter the fine particles from entering the PCBs/electronics, thus improving product reliability.



## TECHNICAL SPECIFICATIONS

| CAPACITY  | 10 kVA   | 15 kVA | 20 kVA | 30 kVA | 40 kVA          |
|---|--|--------|--------|--------|-----------------|
| Technology  | True on-line double conversion (VFI - SS - III)                  |        |        |        |                 |
| <b>INPUT</b>                                      |  |        |        |        |                 |
| Nominal Voltage                                   | 380/400/415 Vac 3Ph+N+PE   |        |        |        |                 |
| Operating Voltage Range                           | 320 - 480 V  |        |        |        |                 |
| Operating Frequency Range                         | 45 - 55 Hz   |        |        |        |                 |
| Power Factor                                      | ≥ 0.99   |        |        |        |                 |
| Bypass Frequency Range                            | ± 10%  |        |        |        |                 |
| Harmonic distortion (THDi)                        | ≥ 5% at rated load   |        |        |        |                 |
| <b>OUTPUT</b>                                     |  |        |        |        |                 |
| Output Voltage                                    | 380/400/415 Vac 3Ph+N+PE   |        |        |        |                 |
| Power Factor                                      | 0.9  |        |        |        | Unity           |
| Voltage Regulation                                | ± 1% (balanced load)   |        |        |        |                 |
| Frequency (Online Mode)                           | ± 10% (with sync mode & adjustable)                              |        |        |        |                 |
| Frequency (Battery Mode)                          | ± 0.1 Hz   |        |        |        |                 |
| Harmonic Distortion (THDv)                        | ≤ 2% with linear load and ≤ 5% with non - linear load            |        |        |        |                 |
| Isolation Transformer (Optional)                  | In-built   |        |        |        | External        |
| Crest Factor                                      | 3 : 1  |        |        |        |                 |
| Cold Start  | Available  |        |        |        |                 |
| Overload  | ≤ 110% for 60 min, ≤ 125% for 10 min, ≤ 150% for 60 sec          |        |        |        |                 |
| Efficiency  | 93%  |        |        |        | 94%             |
| <b>BATTERY</b>                                    |  |        |        |        |                 |
| Battery Voltage                                   | ± 96 to ± 120  |        |        |        | ± 192 to ± 240  |
| Battery Type                                      | VRLA - AGM maintenance-free                                      |        |        |        |                 |
| <b>COMMUNICATION</b>                              |  |        |        |        |                 |
| Standard  | LCD display, LED indication, RS232 port, RS485 port, Dry contact |        |        |        |                 |
| Optional  | SNMP card, Relay card, BMS card                                  |        |        |        |                 |
| <b>ENVIRONMENT</b>                                |  |        |        |        |                 |
| Operating Temperature                             | 0 °C - 40 °C   |        |        |        |                 |
| Relative Humidity Range                           | 0-95% (non-condensing)   |        |        |        |                 |
| Noise Level                                       | < 70 dB  |        |        |        |                 |
| <b>MECHANICAL (without Isolation Transformer)</b> |  |        |        |        |                 |
| W x D x H (in mm)                                 | 350 x 765 x 800  |        |        |        | 320 x 845 x 870 |
| Weight (in Kg.)                                   | 57   | 64     | 71     | 110    |                 |

## APPLICATIONS



TELECOMMUNICATION



NETWORKING



IT



TECH ROOM



e - BUSINESS



EDUCATION

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