



®

**DAXTEN POWER**

beyond limits

SpA

## HI PERFORMANCE SERIES 1/1 & 3/1

**TRUE ON-LINE DOUBLE CONVERSION  
LOW FREQUENCY LCD UPS**

**6kVA - 40kVA**

### **SALIENT FEATURES**

#### **HIGH RELIABLE**

- \* **Adopt twin change on-line technology, sequester extraneous interface**
- \* **Favorable overload ability and protection**
- \* **Design with 100% unbalance protection**
- \* **100% Non linear load ability**
- \* **IGBT, PWM inverter together with digital**

#### **SUPER SAFETY**

- \* **Cold start champion UPS, industrial UPS**
- \* **The output isolate transformer can avoid the destruction of abnormal signal & Lightning stoke**
- \* **With static by-pass, repair by-pass, battery maintain by-pass**

#### **ECONOMIC**

- \* **The efficiency of complete system more than 90%, it will be upto 95% or more if ECO mode**

### **APPLICATIONS**



Data Center



Telecom



Industry



Network



Security



Labs



Medical



Metro



[www.daxtenpower.com](http://www.daxtenpower.com)

## TECHNICAL SPECIFICATIONS

| Product Series                |                    | HI PERFORMANCE SERIES 1/1 & 3/1   |           |            |                                |            |            |            |            |
|-------------------------------|--------------------|---|-----------|------------|--------------------------------|------------|------------|------------|------------|
| <b>Model</b>                  |                    | HPS-611   | HPS-1011  | HPS-1511   | HPS-1031                       | HPS-1531   | HPS-2031   | HPS-3031   | HPS-4031   |
| <b>Capacity</b>               | kVA/kW             | 6kVA/4.8kW  | 10kVA/8kW | 15kVA/12kW | 10kVA/8kW                      | 15kVA/12kW | 20kVA/16kW | 30kVA/24kW | 40kVA/32kW |
| <b>Input</b>                  | Voltage            | 220/230/240 x (1 ± 25%)VAC  |           |            | 380 / 400 / 415 x (1 ± 20%)VAC |            |            |            |            |
|                               | Frequency          | 50 x (1 ± 10%) Hz   |           |            |                                |            |            |            |            |
|                               | Power Factor       | 0.8(0.95 if UPS with filter)  |           |            |                                |            |            |            |            |
| <b>Output</b>                 | Voltage            | 220/230/240 x (1 ± 1%)VAC (steady state)  |           |            |                                |            |            |            |            |
|                               | Frequency          | Free synchronized to the main power (line mode); 50 x (1 ± 0.5%)Hz (battery mode)             |           |            |                                |            |            |            |            |
|                               | Power Factor       | 0.8(lagging)  |           |            |                                |            |            |            |            |
|                               | Wave Form          | Pure Sine Wave  |           |            |                                |            |            |            |            |
|                               | Distortion         | ≤ 3% (linear load), ≤ 5% (non linear load)  |           |            |                                |            |            |            |            |
|                               | Crest Factor       | 3:1   |           |            |                                |            |            |            |            |
|                               | Transitory Voltage | 220/230/240 x (1 ± 4%)VAC (0 ⇒ 100% Abrupt change)  |           |            |                                |            |            |            |            |
|                               | Efficiency         | ≥ 90%   |           |            |                                |            |            |            |            |
| <b>Battery</b>                | Type               | 12VDC sealed lead acid battery, maintenance free  |           |            |                                |            |            |            |            |
|                               | Nominal Voltage    | 192VDC(16 PCS)  |           |            | 360VDC(30 PCS)                 |            |            |            |            |
|                               | Backup Time        | As per the request of customer  |           |            |                                |            |            |            |            |
|                               | Recharge Time      | 7~10 hours up to 90% capacity   |           |            |                                |            |            |            |            |
|                               | Charge Current     | 10~25A (adjustable)   |           |            |                                |            |            |            |            |
| <b>Transfer Time</b>          |                    | 0 ms(AC to DC or DC to AC): <4ms(bypass to inverter or inverter to bypass)                    |           |            |                                |            |            |            |            |
| <b>LCD Display</b>            |                    | UPS work situation, AC power situation, Battery situation, Automatic turn to bypass, Overload |           |            |                                |            |            |            |            |
| <b>Overload Capability</b>    |                    | 150% for 30 seconds, 125% for 10 minutes  |           |            |                                |            |            |            |            |
| <b>Protection</b>             |                    | Over voltage, Under voltage, Over load, Over temperature, Short circuit, Lighting stroke etc. |           |            |                                |            |            |            |            |
| <b>Alarm</b>                  |                    | Over temperature, Battery, Bypass, AC power abnormal, Overload, Over voltage                  |           |            |                                |            |            |            |            |
| <b>Noise ( 1m distance)</b>   |                    | ≤ 50dB  |           |            |                                |            |            |            |            |
| <b>Communicate Interface</b>  |                    | RS232 (or RS422), SNMP card(optional), RJ45   |           |            |                                |            |            |            |            |
| <b>Ambient</b>                | Temperature        | 0°C + 40°C  |           |            |                                |            |            |            |            |
|                               | Humidity           | 10%~90% (no denfall)  |           |            |                                |            |            |            |            |
|                               | Elevation          | < 2000m   |           |            |                                |            |            |            |            |
| <b>Size (mm)</b>              |                    | 1140 x 560 x 800  |           |            |                                |            |            |            |            |
| <b>N.W. (kg)</b>              |                    | 125   | 140       | 175        | 181                            | 235        | 285        | 320        | 360        |
| <b>EMC</b>                    |                    | IEC62040-2, EN50091, GB9254   |           |            |                                |            |            |            |            |
| <b>Ability of Antijamming</b> |                    | IEC61000-4  |           |            |                                |            |            |            |            |
| <b>Protection Degree</b>      |                    | IP20  |           |            |                                |            |            |            |            |

Product specification are subject to change without further notice.