



## Galaxy VM 160 kVA UPS Parallel 400-400 V with Backfeed protection, Start up 5x8

### GVMPB160KHS

Call for More Information 021 203 0606

- Highly compact, energy efficient 3-phase UPS for data center, facility and industrial applications. to be used with external battery cabinets. Please [click here](http://www.apc.com/wp?dc=6) for additional runtime information.
- Includes: Built-in modbus protocol adapter, Dust filter, Installation guide, Integrated network management, Seismic compliance, Top and bottom cable entry

| Output                           |  |
|----------------------------------|--|
| Output power capacity            | 144.0kWatts / 160.0kVA   |
| Max Configurable Power (Watts)   | 144.0kWatts / 160.0kVA   |
| Nominal Output Voltage           | 400V 3PH   |
| Neutral Output Current           | 231A   |
| Output Voltage Distortion        | Less than 2 %  |
| Output Frequency (sync to mains) | 50/60 Hz +/- 1 Hz Sync to mains, 50/60 Hz +/- 1 Hz Unsynchronised  |
| Other Output Voltages            | 380 V, 415 V   |
| Load Crest Factor                | Unlimited  |
| Waveform type                    | Sine wave  |
| Overload Operation               | 10 minutes at 125% and 60 seconds at 150%                          |
| Output Connections               | (1) Hard wire 5-wire (3P + N + E)<br>(1) Hard wire 4-wire (3P + E) |
| Output Voltage THD               | < 2% linear load and < 3% non-linear load                          |
| Output Voltage Tolerance         | +/- 1% static and +/- 3% at 100% load step                         |
| Bypass                           | Built-in static bypass   |

| Input                                   |  |
|---|--|
| Nominal Input Voltage                   | 400V 3PH   |
| Input frequency                         | 40 - 70 Hz   |
| Input Connections                       | Hard wire 3-wire (3P + E)  |
| Input voltage range for main operations | 250 - 600 Adjustable, 320 - 456 (380 V), 320 - 480 (400 V), 320 - 498 (415 V)V |
| Input Total Harmonic Distortion         | Less than 3 % for full load  |

**Disclaimer:** Documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user's applications.

## Technical Specifications

| Input                                 |              |
|---------------------------------------|--------------|
| Type of Input Protection Required     | GL fuse      |
| Other Input Voltages                  | 380 V, 415 V |
| Maximum Short Circuit Withstand (Icw) | 65.0kAmps    |
| Maximum Input Current                 | 262.0A       |
| Input Power Factor at Full Load       | 1.0          |

| Batteries & Runtime                      |  |
|--|--|
| Battery type                             | External battery system                                    |
| Nominal Battery Voltage                  | 480 V  |
| End of Discharge Maximum Battery Current | 314.0A   |
| End of Discharge Battery Voltage         | 384 V  |
| Efficiency                               | View Efficiency Graph (Available in Technical Tab on site) |

| Communications & Management             |                         |
|---|-------------------------|
| Control panel                           | 7" touch screen display |
| Emergency Power Off (EPO)               | Yes                     |
| Available SmartSlot™ Interface Quantity | 2                       |

| Physical        |                 |
|-----------------|-----------------|
| Maximum Height  | 1970MM, 197.0CM |
| Maximum Width   | 1052MM, 105.2CM |
| Maximum Depth   | 854MM, 85.4CM   |
| Net Weight      | 699.0KG         |
| Shipping weight | 744.5KG         |
| Shipping Height | 2156MM, 215.6CM |
| Shipping Width  | 1060MM, 106.0CM |
| Shipping Depth  | 1490MM, 149.0CM |
| Color           | White           |

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## Technical Specifications

| Environmental                                 |                   |
|---|-------------------|
| Operating Temperature                         | 0 - 40 °C         |
| Operating Relative Humidity                   | 0 - 95 %          |
| Operating Elevation                           | 0 - 1015.9meters  |
| Storage Temperature                           | -25 - 55 °C       |
| Storage Relative Humidity                     | 0 - 95 %          |
| Storage Elevation                             | 0 - 14999.8meters |
| Audible noise at 1 meter from surface of unit | 65.0dBA           |
| Online thermal dissipation                    | 19650.0BTU/hr     |
| Protection Class                              | IP20              |

| Conformance       |  |
|-------------------|--|
| Approvals         | C-Tick, CE, EN/IEC 62040-1, EN/IEC 62040-2, EN/IEC 62040-3, ETL, IBC 2012 and CBC2013 to Sds=2.02g , OSHPD, RCM, UL 1778, VFI-SS-111 |
| Standard warranty | 1 year on-site repair or replace with factory authorized Start-Up  |

| General                  |        |
|--------------------------|--------|
| Bypass Protection Device | 400.0  |
| Max Bypass Input Current | 231.0A |

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