|  |  |
| --- | --- |
| **Capacity (VA / Watt)** | **650VA/406W** |
| **Mode Type** | **Tower** |
|  Input |  Nominal Voltage |  **110/115/120 Vac or 220/230/240Vac**  |
|  Voltage Range |  Acceptable Voltage Range |  **85Vac ~ 150Vac or 170Vac ~ 300Vac** |
|  Frequency |  **45Hz ~ 70Hz Auto-sensing**  |
|  Boost Transfer |  **97.8Vac ± 2% ; 195.5Vac ± 2%** |
|  Boost Return |  **102.8Vac ± 2% ; 205.5Vac ± 2%**  |
|  Buck Transfer |  **132Vac ± 2% ; 264.5Vac ± 2%**  |
|  Buck Return |  **127Vac ± 2% ; 254.5Vac ± 2%**  |
|  Low Voltage Transfer |  **85Vac ± 2% ; 170Vac ± 2%**  |
|  Low Voltage Return  |  **90Vac ± 2% ; 180Vac ± 2%** |
|  High Voltage Transfer |  **150Vac ± 2% ; 300Vac ± 2%**  |
|  High Voltage Return  |  **145Vac ± 2% ; 290Vac ± 2%**  |
|  Output |  Voltage |  **110/115/120Vac or 220/230/240Vac re-settable via LCD panel** |
|  Voltage Regulation |  Line Mode  |  **± 15%**  |
|  Battery Mode |  **< 3% RMS for entire battery voltage range**  |
|  Frequency Regulation | Line Mode  |  **Synchronize to AC Mains** |
| Battery Mode |  **50Hz or 60Hz ± 0.1Hz** |
| Power Factor | **0.625** |
|  Wave Form |  **Pure Sine wave** |
|  Effeciency  | Line Mode  |  **> 98 %** |
| Battery Mode |  **> 80%** |
|  Overload Protection | Line Mode  |  **> 110%, then Buzzer Alarm and Amber LED blink continuously.** |
| Battery Mode | **110%~150% for 30 sec, >150% for 200ms, then UPS Shuts Down**  |
|  Short Circuit Protection | Line Mode  |  **Circuit Breaker**  |
| Battery Mode  | **Electronic Circuit**  |
|  DC Start  |  Cold Start  | **Yes** |
| Transfer Time | Typical | **< 4 ms.** |
|  Battery |  Battery Voltage |  **12Vdc** |
|  Battery Type  |  **9AH**  |
|  Battery Quantity  |  **1pce** |
| Backup Time  | **> 2min** |
| Recharging current  | **0.1C** |
| Control Panel  |  LCD Display | **UPS status, I/P&O/P Voltage Frequency, Load Level, Battery Voltage & Level, Temperature, Model**  |
| LED Display  | **Normal (Green), Warning (Amber), Fault (Red)**  |
|  Audible Alarm | Battery Mode  | **Beeping every 4 seconds**  |
| Low Battery | **Beeping every second** |
| UPS Fault | **Beeping Continuously**  |
| Overload | **Beeping twice per second** |
|  Communication Interfaces | Standard  | **USB**  |
| Multi-Interfaces Card(Option) | **N/A** |
|  Environment |  Operation Temperature | **0-40 degree C; 32-104 degree F** |
|  Relative Humidity | **0-95% non-condensing** |
|  Audible Noise | **Less than 55dBA (at 1M)** |
|  Physical |  (WxHxD)mm |  **115\*322\*130** |
|  Net Weight (Kgs) |  **6.2** |
|  NEMA Outlets (110/115/120Vac)  |  **3** |
|  IEC Outlets (220/230/240Vac)  |  **4** |
|  Safety Conformance |  Safety Standard |  **EN62040-1-1** |
|  EMC  |  **EN62040-2**  |
|  Marks  |  **CE** |