|  |  |  |  |
| --- | --- | --- | --- |
| **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** |