|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Capacity (VA / Watt)** | **3.0KVA / 1875W** | **5.0KVA / 3125W**  | **3.0KVA/1875W** | **5.0KVA/3125W** | **7.5KVA / 4688W**  | **10KVA / 6250W**  | **7.5KVA/4688W** |
| **Mode Type** | **Tower & Rack Convertible** |
|  Input |  Nominal Voltage |  **110/115/120 Vac or 220/230/240Vac** |  **220/230/240Vac**  |
|  Voltage Range |  Acceptable Voltage Range | **85Vac ~ 150Vac or 170Vac ~ 300Vac** |  **170Vac ~ 300Vac** |
|  Frequency | **45Hz ~ 70Hz Auto-sensing** |
|  Boost Transfer | **97.8Vac ± 2% ; 195.5Vac ± 2%** |  **195.5Vac ± 2%**  |
|  Boost Return | **97.8Vac ± 2% ; 195.5Vac ± 2%** |  **205.5Vac ± 2%**  |
|  Buck Transfer | **132Vac ± 2% ; 264.5Vac ± 2%**  |  **264.5Vac ± 2%**  |
|  Buck Return | **127Vac ± 2% ; 254.5Vac ± 2%**  |  **254.5Vac ± 2%** |
|  Low Voltage Transfer | **85Vac ± 2% ; 170Vac ± 2%**  |  **170Vac ± 2%** |
|  Low Voltage Return  | **90Vac ± 2% ; 180Vac ± 2%** |  **180Vac ± 2%** |
|  High Voltage Transfer | **150Vac ± 2% ; 300Vac ± 2%**  |  **300Vac ± 2%**  |
|  High Voltage Return  | **145Vac ± 2% ; 290Vac ± 2%**  |  **290Vac ± 2%** |
|  Output |  Voltage | **110/115/120Vac or 220/230/240Vac re-settable via LCD panel** | 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 | **36Vdc** | **48Vdc** | **36Vdc** | **48Vdc** | **48Vdc** |
|  Battery Type  | **7.2AH** | **9AH** | **N/A** | **N/A**  | **7.2AH** | **9AH** | **N/A** |
|  Battery Quantity  | **6pcs** | **8pcs** | **N/A** | **N/A**  | **16pcs** | **16pcs** | **N/A** |
| Backup Time  | **> 3 min** | **Based on Load % & Batteries** | **> 3 min** | **Based on Load % & Batteries** |
| Recharging current  | **0.1C ~ 0.3C** | **>10A\*** | **0.1C~0.3C** | **>10A\*** |
| 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  | **RS232** |
| Multi-Interfaces Card(Option) | **Various Comb. of RS232,SNMP,USB,Dry Contact,AS400, Modbus. Enable at the same time.** |
|  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 | **440\*132\*465** | **440\*132\*620** | **440\*132\*465** |
|  Net Weight (Kgs) |  **36.9** |  **49.8** |  **25** |  **34.6** | **36.6** |
|  NEMA Outlets (110/115/120Vac)  | **8** | **8+1\*terminal block** | **8** | **4+1\*terminal block**  |
|  IEC Outlets (220/230/240Vac)  | **10** | **10+1\*terminal block** | **10** | **5+1\*terminal block**  |
|  Safety Conformance |  Safety Standard | **EN62040-1-1** |
|  EMC  | **EN62040-2**  |
|  Marks  | **CE** |