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