|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ****MODEL**** | | 1KVA(L) plus | 2KVA(L) plus | 3KVA(L) plus |
| ****PHASE**** | | Single phase with ground | | |
| ****CAPACITY**** | | 1000VA/800W | 2000VA/1600W | 3000VA/2400W |
| ****INPUT**** | | | | |
| Nominal Voltage | | 110Vac | | |
| Voltage Range | | 60-138VAC ±5% at 50% load  80-138VAC ±5% at 100% load | | |
| Frequency Range | | 40Hz-70Hz(46-54Hz default 50Hz;56-64Hz default 60Hz) | | |
| Power Factor | | ≥0.99@nominal voltage(100% load) | | |
| THDi% | | ≤10% | | |
| ****OUTPUT**** | | | | |
| Output Voltage | | 100/110/120/127 VAC) | | |
| AC Voltage Regulation | | ±2% | | |
| FrequencyRange  (Synchronized Range) | | 47-53 Hz or 57-63 Hz | | |
| Frequency Range(Batt.Mode) | | 50 Hz±0.1 Hz or 60 Hz±0.1 Hz | | |
| Current Crest Ratio | | 3:1 | | |
| Harmonic Distortion | | THD (Linear Load)≤4%,THD (Non-linear Load)≤7% | | |
| Transfer  Time | AC to DC | zero | | |
| Inverter  to Bypass | 4ms (Typical) | | |
| ECO to Battery Mode | 8ms (Typical),10 ms (max) | | |
| Waveform | | Pure Sinewave | | |
| ****EFFICIENCY**** | | | | |
| Line Mode | | ≥89%@battery full charged | ≥91%@battery full charged | |
| ECO Mode | | ≥96%@battery full charged | | |
| Battery Mode | | ≥86% | | |
| ****BATTERY**** | | | | |
| Battery Type | | 12V/7AH | | |
| Numbers | | 3 | 6 | 8 |
| Typical Recharge Time | | 5hours recover to 95% capacity for internal battery | | |
| Charging Current | | 1-3KVA   1A  1-3KL   4.5A | | |
| Charging Voltage | | 41.25VDC±1% | 82.5VDC±1% | 110VDC±1% |
| ****INDICATORS**** | | | | |
| LCD Panel | | Load level,Battery level, AC mode,Battery mode,Bypass mode,and Fault indicator | | |
| ****ALARM**** | | | | |
| Battery Mode | | beeps every 5 seconds | | |
| Low Battery | | beeps every 2 seconds | | |
| Overload | | Beeps every seconds | | |
| Fault | | Continuously beeps | | |
| ****PHYSICAL**** | | | | |
| Dimension,D\*W\*H(mm) | | 350\*144\*230 | 425\*190\*328 | 425\*190\*328 |
| Net Weight(long backup )(kgs) | | 6 | 12 | 12 |
| Net weight  (w/built-in batteries)(kgs) | | 2 | 23 | 28 |
| ****ENVIRONMENT**** | | | | |
| Humidity | | 20-95%RH@0-40℃(non-condensing) | | |
| Noise Level | | Less than 50dBA @ 1 Meter | | |
| ****MANAGEMENT**** | | | | |
| Smart RS-232 or USB | | Support | | |
| Optional SNMP | | Power management from SNMP manager and web browser | | |
| ****STANDARD**** | | | | |
| EMC/Safety | | EMC EN62040-2 C2 for CE models | | |