

## 400VA - 2000VA



### Features:

#### Microprocessor

Controlled by a technologically advanced microprocessor guaranteeing high reliability

#### AVR Function

Equipped with 2 boost & 1 buck AVR function to regulate output voltage

#### Management Software

Management software is designed to monitor and control RS-232 Smart UPS and provides numerical and graphical display of the UPS status (eg.: voltage, frequency, load and etc.)

#### RS-232 / USB port (Optional)

RS-232 or USB port and cable for managing functions via PC

#### Cold Start Function

Built-in DC start function enables UPS to be started without AC power supplied

#### Built-in CCCV Battery Charger

Constant current, constant voltage battery charger

#### UPS Green Mode

Energy saving function

#### Auto Restart Upon AC Recovery

UPS will shut down upon battery low ;UPS will restart upon AC recovery

#### Interactive UPS

Line Interactive UPS with interactive topology

#### Off-mode Charging

UPS will charge itself even though power switch is off

**IDEAL UPS FOR IDEAL CHOICE**

Specification ( Standard Input Range )

| Model                                     | IDEAL-5X04C                                                                    | IDEAL-5X06C  | IDEAL-5X08C  | IDEAL-5X10C  | IDEAL-5X12C  | IDEAL-5X15C   | IDEAL-5X20C   |
|-------------------------------------------|--------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|---------------|---------------|
|                                           | IDEAL-7X04C                                                                    | IDEAL-7X06C  | IDEAL-7X08C  | IDEAL-7X10C  | IDEAL-7X12C  | IDEAL-7X15C   | IDEAL-7X20C   |
| Capacity                                  | 400VA/240W                                                                     | 600VA/360W   | 800VA/480W   | 1000VA/600W  | 1200VA/720W  | 1500VA/900W   | 2000VA/1200W  |
| Input                                     |                                                                                |              |              |              |              |               |               |
| Voltage                                   | 110/115/120Vac or 220V/230/240Vac                                              |              |              |              |              |               |               |
| Voltage Range                             | -30%+25%                                                                       |              |              |              |              |               |               |
| Frequency                                 | 50Hz or 60Hz (Auto-Sensing)                                                    |              |              |              |              |               |               |
| Output                                    |                                                                                |              |              |              |              |               |               |
| Voltage Regulation AC Mode                | 110/115/120VAC or 220/230/240VAC +/- 10%                                       |              |              |              |              |               |               |
| Voltage Regulation Battery Normal         | 110/115/120VAC or 220/230/240VAC +/- 10%                                       |              |              |              |              |               |               |
| Frequency                                 | 50Hz or 60Hz +/- 1Hz                                                           |              |              |              |              |               |               |
| Waveform                                  | Simulated Sinewave                                                             |              |              |              |              |               |               |
| Transfer Time                             | < 6ms(Typical)                                                                 |              |              |              |              |               |               |
| Outlet:IEC-320/Nema 5-15R                 | 4/4                                                                            | 4/4          | 4/4          | 6/6          | 6/6          | 8/8           | 8/8           |
| Outlet:Universal/German/French/Australian | 2/3/3/3                                                                        | 2/3/3/3      | 2/3/3/3      | 2/3/3/3      | 2/3/3/3      | 6/6/6/6       | 6/6/6/6       |
| Battery                                   |                                                                                |              |              |              |              |               |               |
| Voltage                                   | 12VDC                                                                          | 12VDC        | 12VDC        | 24VDC        | 24VDC        | 24VDC         | 24VDC         |
| Type                                      | 12V/4.5AH                                                                      | 12V/7AH      | 12V/9AH      | 12V/7AH*2pcs | 12V/7AH*2pcs | 12V/9AH*2pcs  | 12V/9AH*2pcs  |
| Recharge Time                             | 5hr to 90% after complete discharge                                            |              |              |              |              |               |               |
| Safety Protection                         | Over Charge & Over Discharge Protection                                        |              |              |              |              |               |               |
| Advanced Battery Management               | Yes                                                                            |              |              |              |              |               |               |
| Back-up Time (Load with 1 PC)             | 10 Minutes                                                                     | 20 Minutes   | 30 Minutes   | 40 Minutes   | 40 Minutes   | 50 Minutes    | 50 Minutes    |
| Display                                   |                                                                                |              |              |              |              |               |               |
| LED Status Indicators                     | Normal (Green), Battery (Yellow), UPS cut off (Red)                            |              |              |              |              |               |               |
| LCD Display                               | I/P & O/P Voltage & Frequency, Load %, Battery %                               |              |              |              |              |               |               |
| Audible Alarm                             |                                                                                |              |              |              |              |               |               |
| Battery Mode                              | Two short tones every 8 seconds                                                |              |              |              |              |               |               |
| Low Battery                               | Four short tones every second                                                  |              |              |              |              |               |               |
| Overload                                  | Beeping continuously                                                           |              |              |              |              |               |               |
| Fault                                     | Beeping continuously                                                           |              |              |              |              |               |               |
| Function                                  |                                                                                |              |              |              |              |               |               |
| AVR (Automatic Voltage Regulation)        | 2 Boost + 1 Buck                                                               |              |              |              |              |               |               |
| DC Start Function                         | Yes                                                                            |              |              |              |              |               |               |
| Auto Restart UPS                          | Yes                                                                            |              |              |              |              |               |               |
| Over/Under Voltage Protction              | Yes                                                                            |              |              |              |              |               |               |
| No-load Cut-off (Green Mode)              | Yes                                                                            |              |              |              |              |               |               |
| Silence The Audible Alarm                 | Yes                                                                            |              |              |              |              |               |               |
| Off-mode Charging                         | Yes                                                                            |              |              |              |              |               |               |
| Short Circuit Protection                  | AC Fuse and Electronics Circuit(Line mode) ; Electronics Circuit(Back-up Mode) |              |              |              |              |               |               |
| Lightning/Surge Protection                | 99 Joules (110/115/120Vac) / 175 Joules (220/230/240Vac)                       |              |              |              |              |               |               |
| Communication Port                        | Smart RS-232 / USB Port                                                        |              |              |              |              |               |               |
| Management Software                       | Shutdown Software (Supporting Windows 98/NT/2000/Me/XP/2003/Vista/7/8)         |              |              |              |              |               |               |
| Environment                               |                                                                                |              |              |              |              |               |               |
| Operating Temperature                     | 0° C - 40° C (32°F~104°F)                                                      |              |              |              |              |               |               |
| Humidity                                  | 0-95% (No Condensing)                                                          |              |              |              |              |               |               |
| Acoustic Noise                            | <40 dB at 1M                                                                   |              |              |              |              |               |               |
| Safety Standard                           |                                                                                |              |              |              |              |               |               |
| LVD                                       | CE (EN62040-1-1, EN50091-1)                                                    |              |              |              |              |               |               |
| EMC                                       | FCC Part 15 Class B, CE(EN50091-2, EN61000-3-2, EN61000-3-3)                   |              |              |              |              |               |               |
| Physical                                  |                                                                                |              |              |              |              |               |               |
| Dimension(W*D*H)                          | 305*98*170mm                                                                   | 305*98*170mm | 305*98*170mm | 385*98*170mm | 385*98*170mm | 360*150*160mm | 360*150*160mm |
| Design, Manufacture, Service              | ISO9001-2000                                                                   |              |              |              |              |               |               |
| Warranty                                  | 1 Year                                                                         |              |              |              |              |               |               |

Model Comparison Table

| Model | Features | RJ-11 | RS-232 | USB | LED | LCD |
|-------|----------|-------|--------|-----|-----|-----|
| 5100C |          |       |        |     | YES |     |
| 5500C |          | YES   | YES    |     | YES |     |
| 5700C |          | YES   |        | YES | YES |     |
| 7100C |          |       |        |     |     | YES |
| 7500C |          | YES   | YES    |     |     | YES |
| 7700C |          | YES   |        | YES |     | YES |