



## UPS ONLINE MONOFÁSICO 1-3KVA



Panel LCD



## CARACTERÍSTICAS

- Online doble conversión
- Amplio rango de voltaje de entrada (110 ~ 300 Vca)
- Factor de potencia de salida 0.9
- Modo convertidor de frecuencia 50Hz / 60Hz
- Operación del modo Eco para ahorro de energía (ECO)
- Compatible con generador
- Comunicacione SNMP / USB / RS232
- Diseño inteligente del cargador de batería para optimizar el rendimiento de la misma

## APLICACIONES

### SOLUCIONES PARA

- ✓ Cortes de Energía / Apagones (Blackout)
- ✓ Baja tensión momentánea / Micro-cortes
- ✓ Bajadas de Tensión Sostenida
- ✓ Sobre Voltaje / Subidas de Tensión
- ✓ Ruido Eléctrico
- ✓ Transitorios o micro-cortes
- ✓ Picos de tensión / alto voltaje momentáneo



Uso doméstico



Comercio, oficinas  
y Pymes



Computadoras y  
periféricos



CCTV

# ESPECIFICACIONES TÉCNICAS

| MODEL                                    | KAISE S 1KVA  | KAISE H 1KVA   | KAISE S 2KVA   | KAISE H 2KVA | KAISE S 3KVA                                  | KAISE H 3KVA |             |             |             |
|--|---|--|----------------|--------------|---|--------------|-------------|-------------|-------------|
| Capacity (VA/Watts)                      | 1000VA / 900W   |  | 2000VA / 1800W |              | 3000VA / 2700W                                |              |             |             |             |
| <b>INPUT</b>                             |   |  |                |              |   |              |             |             |             |
| Nominal voltage                          | 200/208/220/230/240Vac  |  |                |              |   |              |             |             |             |
| Operating voltage range                  | Lower limit of input voltage  | 160Vac±5% @100%~80%load<br>140Vac±5% @80%~70%load<br>120Vac±5% @70%~60%load<br>110Vac±5% @60%~0%load<br>(Ambient temp. <35°C)  |                |              |   |              |             |             |             |
|  | Lower limit of input voltage  | 175Vac±5% @100%~80%load<br>155Vac±5% @80%~70%load<br>135Vac±5% @70%~60%load<br>125Vac±5% @60%~0%load<br>(Ambient temp. <35°C)  |                |              |   |              |             |             |             |
|  | Upper limit of input voltage  | 300Vac±5%  |                |              |   |              |             |             |             |
|  | Upper comeback voltage from bypass mode to normal mode  | 290Vac±5%  |                |              |   |              |             |             |             |
| Operating frequency range                | 40~70Hz   |  |                |              |   |              |             |             |             |
| Power factor                             | 0.99  |  |                |              |   |              |             |             |             |
| Generator input                          | Support   |  |                |              |   |              |             |             |             |
| <b>OUTPUT</b>                            |   |  |                |              |   |              |             |             |             |
| Output voltage                           | 200/208/220/230/240Vac  |  |                |              |   |              |             |             |             |
| Power factor                             | 0.9   |  |                |              |   |              |             |             |             |
| Voltage regulation                       | ±1%   |  |                |              |   |              |             |             |             |
| Frequency                                | Line mode (Synchronized range)  | 47~53Hz or 57~63Hz   |                |              |   |              |             |             |             |
|  | Bat. mode   | (50/60±0.1)Hz  |                |              |   |              |             |             |             |
| Crest factor                             | 3:1   |  |                |              |   |              |             |             |             |
| Harmonic distortion (THDv)               | ≤3% THD with linear load<br>≤6% THD with non linear load  |  |                |              |   |              |             |             |             |
| Waveform                                 | Pure sinewave   |  |                |              |   |              |             |             |             |
| Transfer time                            | AC mode <-> Batt. mode  | Zero   |                |              |   |              |             |             |             |
|  | Inverter <-> Bypass   | 4ms(Typical)   |                |              |   |              |             |             |             |
| Efficiency                               | Line mode   | 88%  |                | 92%          |   | 92%          |             |             |             |
|  | Batt mode   | 85%  | 86%            | 87%          | 88%   | 89%          | 90%         |             |             |
| <b>BATTERY</b>                           |   |  |                |              |   |              |             |             |             |
| Battery type                             | 12V9AH  | Depends on the capacity of external batteries  |                | 12V9AH       | Depends on the capacity of external batteries |              |             |             |             |
| Numbers                                  | 2   | 2  | 3              | 4            | 6   | 8            |             |             |             |
| Backup time                              | Long run unit depends on the capacity of external batteries                                     |  |                |              |   |              |             |             |             |
| Typical recharging time (Standard modle) | 4 hours recover to 90% capacity (Typical)   |  |                |              |   |              |             |             |             |
| Charging voltage                         | 27.4Vdc±1%  | 27.4Vdc ±1%  | 41.0Vdc±1%     | 54.7Vdc±1%   | 54.7Vdc±1%                                    | 82.1Vdc±1%   | 82.1Vdc±1%  | 82.1Vdc±1%  | 109.4Vdc±1% |
| Charging current                         | 1A  | Max. 12A   |                | 1A           | Max. 12A                                      |              | 1A          | Max. 12A    |             |
| <b>SYSTEM FEATURES</b>                   |   |  |                |              |   |              |             |             |             |
| Line mode                                | Ambient temp.<35°C  | 105%~110%: UPS shuts down after 10 minutes at battery mode or transfer to bypass when the utility is normal<br>110%~130%: UPS shuts down after 1minute at battery mode or transfer to bypass when the utility is normal<br>>130%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal |                |              |   |              |             |             |             |
| Battery mode                             | 35°C<ambient  | 105%~110%: UPS shuts down after 1 minutes at battery mode or transfer to bypass when the utility is normal<br>>110%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal  |                |              |   |              |             |             |             |
| Temp.<40°C                               |   |  |                |              |   |              |             |             |             |
| Short circuit                            | Hold whole system   |  |                |              |   |              |             |             |             |
| Overheat                                 | Line mode: Switch to bypass; Backup mode: Shut down UPS immediately                             |  |                |              |   |              |             |             |             |
| Battery low                              | Alarm and switch off  |  |                |              |   |              |             |             |             |
| EPO (optional)                           | Shut down UPS immediately   |  |                |              |   |              |             |             |             |
| Audible & Visual alarms                  | Line failure, Battery low, Over load, System fault  |  |                |              |   |              |             |             |             |
| Communication interface                  | USB (or RS232), SNMP card (optional), Relay card (optional)                                     |  |                |              |   |              |             |             |             |
| <b>ENVIRONMENT</b>                       |   |  |                |              |   |              |             |             |             |
| Operating temperature                    | 0~40°C  |  |                |              |   |              |             |             |             |
| Storage temperature                      | -25°C~55°C  |  |                |              |   |              |             |             |             |
| Humidity range                           | 20~90% RH @ 0~40°C (Non-condensing)   |  |                |              |   |              |             |             |             |
| Altitude                                 | <1500m  |  |                |              |   |              |             |             |             |
| Noise level                              | Less than 50dBA @ 1 Meter   |  |                |              |   |              |             |             |             |
| <b>PHYSICAL</b>                          |   |  |                |              |   |              |             |             |             |
| Dimension W×H×D (mm)                     | 144×209×293   | 144×209×293  | 144×209×293    | 144×209×399  | 144×209×399                                   | 144×209×399  | 191×337×460 | 144×209×399 | 144×209×399 |
| Net weight (kg)                          | 9.8   | 4  | 4.1            | 17           | 6.7   | 6.8          | 27.6        | 7.3         | 7.4         |
| <b>STANDARDS</b>                         |   |  |                |              |   |              |             |             |             |
| Safety                                   | IEC/EN62040-1,IEC/EN60950-1   |  |                |              |   |              |             |             |             |
| EMC                                      | IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,<br>IEC61000-4-5,IEC61000-4-6,IEC61000-4-8 |  |                |              |   |              |             |             |             |

\* Derate to 80% of capacity when the output voltage is adjusted to 200/208Vac

\*\* Product specifications are subject to change without further notice.