**Specification**

**1●Electrical performance**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model** | 6K plus | 6KS plus | 10K plus | 10KS plus |
| **Rating** | 6KVA/5.4KW | 10KVA/9KW |
| Input | Input system | Single phase & earth ground |
| Voltage range | (120±5)VAC~ (274±5)VAC |
| Power factor | ≥0.99 |
| Voltage range of bypass | (60±5)VAC~ (300±5)VAC (default: 80VAC~264VAC Could be adjusted by software) |
| Output | Output system | Single phase & earth ground |
| Rated voltage | 220VAC ① |
| Power factor | 0.9 |
| Voltage precision | ±1% |
| Output frequency | Normal mode | 1.The output frequency synchronizes with the input frequency when the input frequency is in the range of 46 Hz~ 54 Hz.2.The output frequency is 50Hz when the input frequency is not in the range of 46 Hz~ 54 Hz.3.Can be set as 60Hz. |
| Battery mode |
| Inverter overload capacity (Utility power, 25℃) | 105% ±5% < Load ≤ 125% ± 5% 60s transfer to bypass125% ±5% < Load < 135% ± 5% 30s transfer to bypassLoad > 135% ± 5%, 100ms transfer to bypass |
| Transfer time | 0ms (Normal mode←→ Battery mode) |
| <4ms (Normal mode←→Bypass mode) |
| Crest factor | 3:1 |
| Battery | Batteries voltage | 192VDC |
| Battery quantity | 16 | None | 16 | None |
| Battery Type | Sealed maintenance-free lead –acid battery of battery voltage 12V/7AH |
| Backup Time (25℃) | Full load ≥ 5min (Standard) |
| Charge current | 1A | 5.5A | 1A | 5.5A |
| Dimensions (L\*W\*H)mm | 533x260x560 | 425x190x328 | 533x260x560 | 533x260x501 |
| Weight (kg) | 55 | 12.5 | 62 | 21 |

① Note1: Output voltage can be set: 200V/208V/220V/230V/240V.

**2●Operating environment**

|  |  |  |  |
| --- | --- | --- | --- |
| Temperature | Humidity | Altitude | Storage temperature |
| 0℃-40℃ | <95% | <1000m | 0℃-40℃ |

*Note: If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be decreased in use, please refer to the following:*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Altitude(M) | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| Load | 100% | 95% | 91% | 86% | 82% | 78% | 74% | 70% | 67% |