

Genesis B Plus Series - Online UPS



Hajir Sanat

Power range: 6 & 10 KVA

| MODEL | | 6kVA | 10kVA |
|---------------------|--|--|---------|
| Capacity (VA/Watts) | | 6k / 5.4k | 10k/ 9k |
| AC INPUT | Input | Single phase & Ground | |
| | Power factor | ≥ 0.99 (input THDV $\leq 1\%$) | |
| | Rated voltage | 220Vac / 230Vac / 240Vac | |
| | Rated frequency | 50Hz/60Hz Automatically selected | |
| | Voltage range | 110~286Vac | |
| | Frequency range | 40~70Hz | |
| | Bypass voltage range | 220Vac max: default +25% (+10% ,+15%, 20% , 25%) 230Vac max: default +20% (+10% ,+15%, 20%) 240Vac max: default +15% (+10% ,+15%) | |
| | | min: default-45%(-20%, -30% , -45%,) | |
| | Bypass frequency range | $\pm 1\%$ 、 $\pm 2\%$ 、 $\pm 4\%$ 、 $\pm 5\%$ 、 $\pm 10\%$ | |
| | THDI | $\leq 3\%$ (100% liner load, input THDV $\leq 1\%$) | |
| | | $\leq 5\%$ (100% non liner load, input THDV $\leq 1\%$) | |
| BATTERY | Battery number | 16/18/20 Pcs. Can be set | |
| | Battery type | VRLA | |
| | Charge model | Boost charge or float charge auto switch | |
| | Charge time | Boost charge up to 20Hr(Max) | |
| | Charge current (MAX.) | 10A(H) 1A(S) | |
| AC OUTPUT | Output type | Single phase & Ground | |
| | Voltage regulation | $\pm 1.0\%$ | |
| | Voltage distortion(THD) | less than 2% at 100% liner load | |
| | | less than 5% at 100% non-liner load | |
| | Rated voltage | 220V/230V/ 240Vac can be setted | |
| AC OUTPUT | Frequency regulation | $\pm 0.1\%$ (stand alone) | |
| | | $\pm 0.25\%$ (parallel operation) | |
| | Frequency | Utility mode: tracking mains frequency | |
| | | Battery mode: 50Hz/60Hz | |
| | Frequency track speed | 1Hz/s (stand alone) | |
| | | 0.5Hz/s (parallel operation) | |
| | load capacity (Mains, drop a level in battery mode) (PF0.9) | 105 %~ 110 %, lasts 1 hour | |
| | | 110%~125%,lasts 10 minutes | |
| | | 125%~150%, lasts 1 minute | |
| | | > 150%, switch to bypass immediately | |
| | load capacity (Mains, drop a level in battery mode) (PF1.0) | 105%~110%,lasts 10 minutes | |
| | | 110%~130%, lasts 1 minute | |
| | | > 130%, switch to bypass immediately | |

| | | | |
|------------------------|---------------------------------|--|-------|
| | Overload for bypass | >95%, can not inverter-fed | |
| | | Load for a long time when rated output current under 125% | |
| | | Bypass load capacity is controlled by bypass circuit breaker, tripping when circuit breaker operating current. | |
| | Crest factor | 3:1 | |
| | Efficiency at AC | ≥92% | |
| | Dynamic respond | ± 5.0% （100% balance load） | |
| | | ≤5% in a cycle | |
| | Inverter output current limit | When current instantaneous value is 2~3 times of rated current peaks (1.414 * rated power/(3*220)), the inverter will be conducted in each pulse current limit protection. | |
| DC component | ≤200mV | | |
| Switch time | Between Normal and battery mode | 0ms | |
| | Between inverter and bypass | 0ms | |
| | | <15ms (50Hz), <13.33ms (60Hz) | |
| Noise(1m) | | <55dB | <58dB |
| Display | | LED+LCD | |
| Safety | | Meeting IEC62040-1, GB4943 | |
| Max input voltage | | 320Vac, 1 hour（static） | |
| EMI | | Conduction：IEC 62040-2 | |
| | | Radiation：IEC 62040-2 | |
| | | Harmonics：IEC 62040-2 | |
| EMS | | IEC 62040-2 | |
| Isolation resistance | | > 2MΩ（500Vdc） | |
| Isolation intension | | 2820Vdc, <3.5mA, 1min | |
| Surge | | Meeting IEC60664-1 1.2/50uS+8/20uS 6kV/3kA. | |
| Protection | | IP20 | |
| Parallel circumfluence | | 1+1≤8%, N+1≤3% | |
| Parallel equal current | | 1+1≤8%, N+1≤10% | |
| Model | | 6kVA-10kVA series | |
| Temperature | | 0℃~40℃ | |
| Relative humidity | | 0~95% non-condensing | |
| Altitude | | <1500m. when >1500m, lower the rated power for use | |



| Mechanical Characteristics | | |
|----------------------------|----|----------------|
| Height | mm | 337 |
| Width | mm | 191 |
| Depth | mm | 460 |
| Net weight | kg | 6K/10K:13/14.5 |