



APS7000 series

Programmable AC Power Source

Features

- The advanced direct digital frequency synthesizer (DDS) waveform is used to achieve high frequency stability, good continuity and accurate measurement
- Keyboard shortcuts: 110V, 220V, SOHz 60Hz shortcuts self-assembly
- Key lock function prevents inadvertent touch
- With key lock M1, M2 and M3 three sets of memory, can store the commonly used voltage V and frequency F, ea33to rec.all them by one key
- Infinite shuttle knob function:single press adjust the voltage, double press adjust the frequencym the step distance can be adjusted according to knob rotation speed, the minimum step is 0.001.
- Overload capacity, 300% overload 2S
- Five display windows: voltage V, frequency F, current I, power P/power factor PF, display more accurately
- Intelligent analysis function: automatically determine the cause of failure ,status and display the code when the alarm is reported
- With 100% loading and unloading, the stabilizing reaction time is within 20ms
- RS485, RS232, Ethernet communication interface or simulation control mode (optional)
- Adopt input and output isolation mode
- Has soft start function to avoid the damage to power supply caused by the instantaneous impulse current of the load (such as motor) when power on.

| model | APS-7105 | APS-7100 | APS-7200 | APS-7300 | APS-7500 |
|----------------|--|----------|----------|----------|----------|
| capacity | 500VA | 1KVA | 2KVA | 3KVA | 5KVA |
| Operating mode | SPWM | | | | |
| Input | | | | | |
| Phase | 1 ϕ 2W | | | | |
| Voltage | 220V \pm 10% | | | | |
| frequency | 45-63Hz | | | | |
| Output | | | | | |
| Phase | 1 Φ 2W | | | | |
| Voltage | 0 ~ 155VAC / 0 ~ 310VAC AUTO 0 ~ 600V optional | | | | |

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|-------------------------|------------------|--|------|-------|-------|-----|
| frequency | | 45 ~ 500Hz (0.01step) | | | | |
| Maximum current | L = 120V | 4.2A | 8.4A | 16.8A | 25A | 42A |
| | H = 240V | 2.1A | 4.2A | 8.4A | 12.5A | 21A |
| Load regulation | | 1% | | | | |
| Waveform distortion | | 2% (low-end 120V, high-end 240V, with pure resistive load) | | | | |
| Frequency stability | | 0.01% | | | | |
| display | | Voltage / current / frequency / power / power factor | | | | |
| Voltage resolution | | 0.01V | | | | |
| Frequency resolution | | 0.01Hz | | | | |
| Current resolution | | 0.001A | | | | |
| storage | | M1 ~ M3 (V_F_A) | | | | |
| Test accuracy | Voltage | $\pm 0.5\% \text{ FS} + 5\text{dgt}$ | | | | |
| | Electric current | $\pm 0.5\% \text{ FS} + 5\text{dgt}$ | | | | |
| | frequency | $\pm 0.01\% \text{ FS} + 5\text{dgt}$ | | | | |
| | power | $\pm 0.5\% \text{ FS} + 5\text{dgt}$ | | | | |
| Setting accuracy | Voltage | $\pm 1\% \text{ FS}$ | | | | |
| | frequency | $\pm 0.1\% \text{ FS}$ | | | | |
| Communication Interface | | Standard RS232, optional RS485 | | | | |
| Current limit setting | | 0 ~ Max Current (The maximum current is: maximum capacity / 240V or P / 240) | | | | |
| Output protection | | Overcurrent, overtemperature, overload, short circuit | | | | |
| Operating environment | | 0 ~ 40 ° C ≤80% RH | | | | |

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|-----------------|----|--------------------|--------------------|--------------------|--------------------|--------------------|
| Bare metal size | mm | 430 * 135 * 515 | 430 * 135 * 515 | 480 * 225 * 535 | 480 * 225 * 535 | 480 * 240 * 590 |
| Packing size | mm | 575 * 255 * 645 | 575 * 255 * 645 | 640 * 330 * 652 | 640 * 330 * 652 | 640 * 330 * 652 |
| net weight | kg | 20.6 | 20.6 | 30.5 | 33.3 | 48 |
| Gross weight | kg | 23.1 | 23.1 | 33.5 | 36.3 | 51 |