

GPD-Series Specifications

The specifications apply when the GPD-Series is powered on for at least 30 minutes under +20°C~+30°C.

| | GPD-4303S | | | GPD-3303S | | | GPD-2303S | | GPD-3303D | | | |
|------------------------------------|---|-----|---------------------|----------------------------------|-------|-----|--|----------------------------------|-----------|-------|-----|--------------|
| OUTPUT | | | | | | | | | | | | |
| Channel | CH1 | CH2 | CH3 | CH4 | CH1 | CH2 | CH3 | CH1 | CH2 | CH1 | CH2 | CH3 |
| Voltage | 0~30V | | 0~5V / 5.001~10V | 0~5V | 0~30V | | 2.5/3.3/5.0V | 0~30V | | 0~30V | | 2.5/3.3/5.0V |
| Current | 0~3A | | 0~3A / 0~1A | 0~1A | 0~3A | | 3A | 0~3A | | 0~3A | | 3A |
| CONSTANT VOLTAGE OPERATION | | | | | | | | | | | | |
| Regulation | Line: $\leq 0.01\% + 3\text{mV}$ | | | | | | | | | | | |
| | Load: $\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$); $\leq 0.02\% + 5\text{mV}$ (rating current $> 3\text{A}$) | | | | | | | | | | | |
| Ripple & Noise | $\leq 1\text{mVrms}$ (5Hz~1MHz) | | | | | | | | | | | |
| Recover Time | $\leq 100\mu\text{s}$ (50% Load Change, Minimum Load 0.5A) | | | | | | | | | | | |
| Temp. Coefficient | $\leq 300\text{ppm} / ^\circ\text{C}$ | | | | | | | | | | | |
| CONSTANT CURRENT OPERATION | | | | | | | | | | | | |
| Regulation | Line: $\leq 0.2\% + 3\text{mA}$ | | | | | | | | | | | |
| | Load: $\leq 0.2\% + 3\text{mA}$ | | | | | | | | | | | |
| Ripple Current | $\leq 3\text{mA}_{\text{rms}}$ | | | | | | | | | | | |
| TRACKING OPERATION | | | | | | | | | | | | |
| Regulation of PAR | Line: $\leq 0.01\% + 3\text{mV}$ | | | | | | | | | | | |
| | Load: $\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$); $\leq 0.02\% + 5\text{mV}$ (rating current $> 3\text{A}$) | | | | | | | | | | | |
| Regulation of SER | Line: $\leq 0.01\% + 5\text{mV}$ | | | | | | | | | | | |
| | Load: $\leq 100\text{mV}$ | | | | | | | | | | | |
| Tracking Error | $\leq 0.1\% \pm 10\text{mV}$ (10V~30V) no load, with load added load regulation $\leq 100\text{mV}$ | | | | | | | | | | | |
| METER (25±5°C) | | | | | | | | | | | | |
| Display | Voltage: 5 digits, 0.4" LED Display (full scale: 32V) | | | | | | Voltage: 3 digits 0.4" LED Display | | | | | |
| | Current: 4 digits, 0.4" LED Display (full scale: 3.2A) | | | | | | Current: 3 digits 0.4" LED Display | | | | | |
| Resolution | Voltage: 1mV | | | | | | Voltage: 100mV | | | | | |
| | Current: 1mA | | | | | | Current: 10mA | | | | | |
| Program | Voltage: $\pm(0.03\%$ of RDG+ 10 digits) | | | | | | Voltage: $\pm(0.5\%$ of RDG+ 2 digits) | | | | | |
| Accuracy | Current: $\pm(0.3\%$ of RDG + 10 digits) | | | | | | Current: $\pm(0.5\%$ of RDG+ 2 digits) | | | | | |
| Readback | Voltage: $\pm(0.03\%$ of RDG+ 10 digits) | | | | | | Voltage: $\pm(0.5\%$ of RDG+ 2 digits) | | | | | |
| Accuracy | Current: $\pm(0.3\%$ of RDG + 10 digits) | | | | | | Current: $\pm(0.5\%$ of RDG+ 2 digits) | | | | | |
| CH3 SPECIFICATIONS (25±5°C) | | | | | | | | | | | | |
| Output Voltage | 0~5V/ 5~10V | | | (2.5V/3.3V/5.0V)±8% | | | N/A | (2.5V/3.3V/5.0V)±8% | | | | |
| Output Current | 0~3A/0~1A | | | 3A | | | | 3A | | | | |
| Regulation | Line: $\leq 0.01\% + 3\text{mV}$ | | | Line: $\leq 0.01\% + 3\text{mV}$ | | | | Line: $\leq 0.01\% + 3\text{mV}$ | | | | |
| | Load: $\leq 0.01\% + 3\text{mV}$ | | | Load: $\leq 0.01\% + 3\text{mV}$ | | | | Load: $\leq 0.01\% + 3\text{mV}$ | | | | |
| Ripple & Noise | $\leq 2\text{mVrms}$ (5Hz~1MHz) | | | $\leq 1\text{mVrms}$ (5Hz~1MHz) | | | $\leq 1\text{mVrms}$ (5Hz~1MHz) | | | | | |

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|---|
| KEY LOCK |
| Yes |
| MEMORY SAVE / RECALL |
| 4 Sets |
| POWER SOURCE |
| AC 100V/120V/220V/230V±10%,50/60Hz; Power consumption: 490VA max. |
| DIMENSION & WEIGHT |
| 210(W) x 130(H) x 265(D) mm, Approx .7 kg |