

# MODEL : LP1200-B(1200W)

| Parameter                                 |   | Specifications                            |                |                       |              |                     |                 |
|---|---|---|----------------|-----------------------|--------------|---------------------|-----------------|
| Operating range(@0°C ~ 40°C)              | Voltage   | 3~250V                                    |                |                       |              |                     |                 |
|   | Current   | 0~30A                                     |                |                       |              |                     |                 |
|   | Max Power   | 1200W at40°C(derated to 864W at 55°C)     |                |                       |              |                     |                 |
| <b>MODE SPECIFICATIONS</b>                |   |   |                |                       |              |                     |                 |
| CC MODE                                   | RANGE   | HIGH_0~50A<br>LOW_0~5A                    |                |                       |              |                     |                 |
|   | RESOLUTION  | L:10mA :H100mA                            |                |                       |              |                     |                 |
|   | Accuracy  | ±0.1%±75mA (after 30sec wait)             |                |                       |              |                     |                 |
| CV MODE                                   | RANGE   | 3~250V                                    |                |                       |              |                     |                 |
|   | RESOLUTION  | 100mV(remote sense) or 400mV(local sense) |                |                       |              |                     |                 |
|   | Accuracy  | ±0.1%±100mV                               |                |                       |              |                     |                 |
| CR MODE                                   | RANGE   | HIGH_10~20kΩ                              |                |                       |              |                     |                 |
|   |   | MID_1~2kΩ                                 |                |                       |              |                     |                 |
|   |   | LOW_0.15~5Ω                               |                |                       |              |                     |                 |
| Accuracy                                  | HIGH&MID_±0.3%±8mΩ (with ≥6V at input)<br>LOW_±0.8%±8mΩ (with ≥6A at input) |   |                |                       |              |                     |                 |
| DYNAMIC MODE                              | MEMORY CH   | 2CH                                       |                |                       |              |                     |                 |
|   | Freq Range  | 0.5Hz ~ 10KHz                             |                |                       |              |                     |                 |
|   | Freq Accuracy   | 3%  |                |                       |              |                     |                 |
|   | Duty Cycle Range  | 6~97%(0.25~1kHz), 6~94%(1~10kHz)          |                |                       |              |                     |                 |
|   | Duty Cycle Accuracy   | 6% of setting±2%                          |                |                       |              |                     |                 |
|   | Pulse Width   | 50μs±3%(min),4s±3%(max)                   |                |                       |              |                     |                 |
|   | Current Range   | 0~50A                                     |                |                       |              |                     |                 |
|   | Current Accuracy  | ±0.1%±350mA                               |                |                       |              |                     |                 |
|   | Voltage Range   | 0~250V                                    |                |                       |              |                     |                 |
|   | Voltage Accuracy  | ±0.1%±300mV                               |                |                       |              |                     |                 |
| Mode                                      | CC,CV   |   |                |                       |              |                     |                 |
| <b>PROTECTION</b>                         |   |   |                |                       |              |                     |                 |
| OVP                                       | 260V  |   |                |                       |              |                     |                 |
| OPP                                       | 1320W   |   |                |                       |              |                     |                 |
| OTP                                       | 105°C(Heatsink Temp)  |   |                |                       |              |                     |                 |
| Short& Open                               | Shor  | 33mΩ(max), 20mΩ(typical)                  |                |                       |              |                     |                 |
|   | Open  | ≥20kΩ                                     |                |                       |              |                     |                 |
| Ripple& Noise                             | Current   | 4mA(rms)/40mA(p-p)                        |                |                       |              |                     |                 |
|   | Voltage   | 10mV(rms)                                 |                |                       |              |                     |                 |
| <b>SLEW RATE</b> (typical values: 5%~95%) |   |   |                |                       |              |                     |                 |
| X   | Current Slew Rate(Conditions:3~250V)  |   |                | Voltage Slew Rate     |              | Resistanc Slew Rate |                 |
|   |   | High Range Step                           | Low Range Step | Transition Time       | Voltage Step |                     | Transition Time |
|   | 1   | 0.5A/ms                                   | 50A/s          | 8.0ms                 | 4V/ms        |                     | 8.0ms           |
|   | 2   | 1.3A/ms                                   | 130A/s         | 1.6ms                 | 10V/ms       |                     | 3.2ms           |
|   | 3   | 2.4A/ms                                   | 2.4A/ms        | 800μs                 | 20V/ms       |                     | 1.6ms           |
|   | 4   | 5A/ms                                     | 0.5A/ms        | 320μs                 | 40V/ms       |                     | 800μs           |
|   | 5   | 13A/ms                                    | 1.3A/ms        | 160μs                 | 100V/ms      |                     | 320μs           |
|   | 6   | 24A/ms                                    | 24A/ms         | 80μs                  | 200V/ms      |                     | 160μs           |
|   | 7   | 50A/ms                                    | 50A/ms         | 32μs                  | 0.4V/μs      |                     | 100μs           |
|   | 8   | 130A/ms                                   | 13A/ms         | 16μs                  | 1V/μs        |                     | 100μs           |
| 9   | 0.24A/μs  | 24A/ms                                    | 16μs           | 2V/μs                 | 100μs        |                     |                 |
| 10  | 0.5A/μs   | 50A/ms                                    | 16μs           | <del>XXXXXXXXXX</del> |              |                     |                 |
| Remote Sensing                            | 5Vdc between sense And load input   |   |                |                       |              |                     |                 |
| INPUT AC                                  | 220V ± 10% 50~60Hz/250mA  |   |                |                       |              |                     |                 |
| Remote Interface                          | RS-232C & RS-485 & USB  |   |                |                       |              |                     |                 |
| Cooling                                   | Isolation DC FAN  |   |                |                       |              |                     |                 |
| Dimensions (19-inch 3U Standard)          | 426mm(W) * 177mm(H) *470mm(D) (1200~1500W)                                  |   |                |                       |              |                     |                 |
| Weight                                    | 22kg(Net weight) /24kg(Gross weight)  |   |                |                       |              |                     |                 |