

| MODEL                     |                        | EL1200VDC15400W             |                 |                    |  |
|---------------------------|------------------------|-----------------------------|-----------------|--------------------|--|
| Rated                     | Voltage                | 0~1200V                     |                 |                    |  |
|                           | Current                | 0~560A                      |                 |                    |  |
|                           | Power                  | 0~15400W                    |                 |                    |  |
|                           | Min. Operating Voltage | 2V@56A                      | 10V@280A        | 20V@560A           |  |
| <b>Static Mode</b>        |                        |                             |                 |                    |  |
| Constant Current Mode     | Range                  | 0~56A                       | 0~280A          | 0~560A             |  |
|                           | Resolution             | 0.5mA                       | 2mA             | 5mA                |  |
|                           | Accuracy               | 0.05%+0.05%F.S.             |                 |                    |  |
| Constant Voltage Mode     | Range                  | 0~150V                      | 0~600V          | 0~1200V            |  |
|                           | Resolution             | 1mV                         | 5mV             | 10mV               |  |
|                           | Accuracy               | 0.025%+0.025%F.S.           |                 |                    |  |
| Constant Power Mode       | Range                  | 0~1540W                     | 0~7700W         | 0~15400W           |  |
|                           | Resolution             | 40mW                        | 200mW           | 400mW              |  |
|                           | Accuracy               | 0.2%+0.2%F.S.               |                 |                    |  |
| Constant Resistance Mode  | Range                  | 21mΩ~210Ω(150V)             | 85mΩ~850Ω(600V) | 850mΩ~1700Ω(1200V) |  |
|                           | Resolution             | 21mΩ(150V)                  | 85mΩ(600V)      | 850mΩ(1200V)       |  |
|                           | Accuracy               | Vin/Rset*(0.2%)+0.2% I.F.S. |                 |                    |  |
| <b>Dynamic Mode</b>       |                        |                             |                 |                    |  |
| CCD/CRD                   | T1&T2(Pro.)            | 0.02ms~300s                 |                 |                    |  |
|                           | T1&T2(Adv.)            | 0.05ms~300s                 |                 |                    |  |
|                           | Resolution             | 1μs                         |                 |                    |  |
|                           | Accuracy               | 1μs+100ppm                  |                 |                    |  |
|                           | Slew Rate(Pro.)        | 0.5mA/μs~1.87A/μs           | 2mA/μs~9.3A/μs  | 5mA/μs~18.7A/μs    |  |
|                           | Slew Rate(Adv.)        | 0.5mA/μs~0.56A/μs           | 2mA/μs~2.8A/μs  | 5mA/μs~5.6A/μs     |  |
|                           | Min. Rise Time(Pro.)   | 20μs(Typical)               |                 |                    |  |
|                           | Min. Rise Time(Adv.)   | 50μs(Typical)               |                 |                    |  |
|                           | Resolution             | 0.5mA/μs                    | 2mA/μs          | 5mA/μs             |  |
|                           | Accuracy               | 5%±10us                     |                 |                    |  |
| <b>Measurement</b>        |                        |                             |                 |                    |  |
| Voltage                   | Range                  | 0~150V                      | 0~600V          | 0~1200V            |  |
|                           | Resolution             | 1mV                         | 5mV             | 10mV               |  |
|                           | Accuracy               | 0.015%+0.015%F.S.           |                 |                    |  |
| Current                   | Range                  | 0~56A                       | 0~280A          | 0~560A             |  |
|                           | Resolution             | 0.5mA                       | 2mA             | 5mA                |  |
|                           | Accuracy               | 0.04%+0.06%F.S.             |                 |                    |  |
| Power                     | Range                  | 0~1540W                     | 0~7700W         | 0~15400W           |  |
|                           | Resolution             | 40mW                        | 200mW           | 400mW              |  |
|                           | Accuracy               | 0.1%+0.1%F.S.               |                 |                    |  |
| Sampling Frequency        | 500kHz                 |                             |                 |                    |  |
| <b>Protection</b>         |                        |                             |                 |                    |  |
| OVP                       | 153V                   | 612V                        | 1224V           |                    |  |
| OCP                       | 57.12A                 | 285.6A                      | 571.2A          |                    |  |
| OPP                       | 1570.8W                | 7854W                       | 15708W          |                    |  |
| Over Temperature          | 70~75°C                |                             |                 |                    |  |
| Overvoltage Safety Value  | 110%VF.S.              |                             |                 |                    |  |
| Reverse Protection        | Yes                    |                             |                 |                    |  |
| Alarm Tone                | Yes                    |                             |                 |                    |  |
| <b>Mechanical</b>         |                        |                             |                 |                    |  |
| Dimensions(WxHxD)         | 423x444x670mm          |                             |                 |                    |  |
| Package Dimensions(WxHxD) | /                      |                             |                 |                    |  |
| Unit Net Weight           | 110kg                  |                             |                 |                    |  |
| Net Weight                | /                      |                             |                 |                    |  |
| <b>AC Input</b>           |                        |                             |                 |                    |  |
| Voltage                   | 100~240Vac             |                             |                 |                    |  |
| Frequency                 | 50~60Hz                |                             |                 |                    |  |
| Power                     | 700VA                  |                             |                 |                    |  |
| Fuse                      | 8A                     |                             |                 |                    |  |

| 1200V Series System Specifications       |   |                |                |
|--|---|----------------|----------------|
| <b>Non Linear Mode</b>                   |   |                |                |
| Range                                    | CL  | 30uF~50000uF   |                |
|  | RL  | As CR Mode     |                |
|  | Ls  | 0.1uH~16uH     |                |
|  | Rs  | 30mΩ~20Ω       |                |
| Resolution                               | CL  | 1uF            |                |
|  | RL  | As CR Mode     |                |
|  | Ls  | 0.1uH          |                |
|  | Rs  | 1mΩ            |                |
| <b>Battery Discharge Mode</b>            |   |                |                |
| Battery Voltage                          | As CV Mode  |                |                |
| Current Resolution                       | As CC Mode  |                |                |
| Record                                   | AH/WH   |                |                |
| Test Time                                | 1s~100000s  |                |                |
| Time Resolution                          | 1s  |                |                |
| <b>Program Mode</b>                      |   |                |                |
| Step No.                                 | 300 Max.  |                |                |
| Dwell                                    | 0.1ms~4000s   |                |                |
| Spec Check                               | Voltage/Current/Power   |                |                |
| <b>External Waveform Control/Monitor</b> |   |                |                |
| Control/Monitor                          | Voltage/Current   |                |                |
| Input/Output Range                       | 0~10V   |                |                |
| Voltage Range                            | 0~L_range F.S.  | 0~M_range F.S. | 0~H_range F.S. |
| Current Range                            | 0~L_range F.S.  | 0~M_range F.S. | 0~H_range F.S. |
| Accuracy                                 | 0.4%F.S.  |                |                |
| Resolution                               | 4mV   |                |                |
| Bandwidth                                | 20kHz   |                |                |
| Input Impedance                          | 10kΩ  |                |                |
| <b>Short Circuit</b>                     |   |                |                |
| Current(CC)                              | Full range current value  |                |                |
| Voltage(CV)                              | Voltage value at the Max power in working mode  |                |                |
| Resistance(CR)                           | Min resistance value of CR Mode   |                |                |
| <b>Master/Slave</b>                      |   |                |                |
| Parallel Interface                       | RJ45  |                |                |
| Parallel Quantity (Pro.)                 | 20 units  |                |                |
| Parallel Quantity (Adv.)                 | 10 units  |                |                |
| <b>General</b>                           |   |                |                |
| Graphic Display                          | 4.3"Color touch LCD   |                |                |
| Operation Key Feature                    | Soft key, Numeric key, Rotary Knob, Support USB disk  |                |                |
| Rack Mount Handles                       | Yes   |                |                |
| FAN                                      | Temperature Control   |                |                |
| Interface                                | RS232/RS485/USB(Standard), GPIB/LAN(Optional)   |                |                |
| Communication Response Time              | 30ms  |                |                |
| Storage Capacity                         | User defined settings (300 sets), OCP settings (10 sets), OPP settings (10 sets), Default settings (1 set), Factory setting (1 set) |                |                |
| <b>Environmental</b>                     |   |                |                |
| Operating Temperature                    | 0~40°C  |                |                |
| Storage Temperature                      | -20~80°C  |                |                |
| Temperature Coefficient                  | 100ppm/°C(Typical)  |                |                |
| Relative Humidity                        | 10~90%RH  |                |                |
| Altitude                                 | ≤2000m  |                |                |
| <b>Regulatory Compliance</b>             |   |                |                |
| Overvoltage Category                     | II  |                |                |
| Protection Degree                        | I   |                |                |
| Pollution Degree                         | II  |                |                |
| Input Impedance                          | 2MΩ(Typical)  |                |                |
| Isolation Voltage                        | /   |                |                |
| Certificates                             | CE  |                |                |

All specifications are subject to change without notice.