

| Model                    |                         | IT8512H+             |                    |
|--------------------------|-------------------------|----------------------|--------------------|
| Rated value<br>(0~40 °C) | Input voltage           | 0~800V               |                    |
|                          | Input current           | 0~1A                 | 0~5A               |
|                          | Input power             | 300W                 |                    |
|                          | Minimum operation value | 1.4V at 1A           | 7V at 5A           |
| CV mode                  | Range                   | 0.1~80V              | 0.1~800V           |
|                          | Resolution              | 1mV                  | 10mV               |
|                          | Accuracy                | ±(0.05%+0.05%FS)     | ±(0.05%+0.05%FS)   |
| CC mode                  | Range                   | 0~1A                 | 0~5A               |
|                          | Resolution              | 0.1mA                | 1mA                |
|                          | Accuracy                | ±(0.05%+0.1%FS)      | ±(0.05%+0.05%FS)   |
| CR mode<br>*1            | Range                   | 2Ω~10Ω               | 10Ω~7.5KΩ          |
|                          | Resolution              | 16bit                |                    |
|                          | Accuracy                | 0.01%+0.08S *2       | 0.01%+0.0008S      |
| CP mode<br>*3            | Range                   | 300W                 |                    |
|                          | Resolution              | 10mW                 |                    |
|                          | Accuracy                | 0.2%+0.2%FS          |                    |
| <b>Dynamic mode</b>      |                         |                      |                    |
| Dynamic mode             | CC mode                 |                      |                    |
|                          | T1&T2                   | 20uS~3600S /Res:1 uS |                    |
|                          | Accuracy                | 2uS±100ppm           |                    |
|                          | Rising/Falling slope *4 | 0.0001~0.04A/uS      | 0.001~0.2A/uS      |
|                          | Minimum rise time *5    | ≒20uS                | ≒20uS              |
| <b>Measuring range</b>   |                         |                      |                    |
| Readback voltage         | Range                   | 0~80V                | 0~800V             |
|                          | Resolution              | 1 mV                 | 10 mV              |
|                          | Accuracy                | ±(0.025%+0.025%FS)   | ±(0.025%+0.025%FS) |
| Readback current         | Range                   | 0~1A                 | 0~5A               |
|                          | Resolution              | 0.1mA                | 1mA                |
|                          | Accuracy                | ±(0.05%+0.05%FS)     |                    |
| Readback power           | Range                   | 300W                 |                    |
|                          | Resolution              | 10mW                 |                    |
|                          | Accuracy                | ±(0.2%+0.2%FS)       |                    |
| <b>Protection range</b>  |                         |                      |                    |
| OPP Protection           | ≒320W                   |                      |                    |
| OCP Protection           | ≒1.1A                   | ≒5.5A                |                    |

|                        |                        |         |         |
|------------------------|------------------------|---------|---------|
| <b>OVP Protection</b>  | ≈850V                  |         |         |
| <b>OTP Protection</b>  | ≈85°C                  |         |         |
| <b>Specification</b>   |                        |         |         |
| <b>Short</b>           | Current( CC )          | ≈1.1/1A | ≈5.5/5A |
|                        | Voltage( CV )          | 0V      | 0V      |
|                        | Resistance( C R )      | ≈1.4Ω   |         |
| <b>Input Impedance</b> | 2MΩ                    |         |         |
| <b>Dimension</b>       | 214.5mm*88.2mm*354.6mm |         |         |

- \*1 The voltage/current input is no less than 10% FS**
- \*2 The scope of read-back resistance is:  $(1/(1/R+(1/R)*0.01\%+0.08),1/(1/R-(1/R)*0.01\%-0.08))$**
- \*3 The voltage/current input is no less than 10% FS**
- \*4 Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current.**
- \*5 Minimum rise time: 10%-90% current rise time**