

Model		IT8513C+	
Rated value (0~40 °C)	Input voltage	0~120V	
	Input current	0~12A	0~120A
	Input power	600W	
	Minimum operation value	0.2V at 12A	2V at 120A
CV mode	Range	0.1~18V	0.1~120V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.02%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~12A	0~120A
	Resolution	1mA	10mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.1%FS)
CR mode *1	Range	0.05Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *2	0.01%+0.0008S
CP mode *3	Range	600W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
<b>Dynamic mode</b>			
Dynamic mode	CC mode		
	T1&T2	100uS~3600S /Res:1 uS	
	Accuracy	10uS±100ppm	
	Rising/Falling slope *4	0.001~0.2A/uS	0.01~1.6A/uS
	Minimum rise time *5	≅60uS	≅60uS
<b>Measuring range</b>			
Readback voltage	Range	0~18V	0~120V
	Resolution	0.1 mV	1mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~12A	0~120A
	Resolution	1mA	10mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.1%FS)
Readback power	Range	600W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
<b>Protection range</b>			
OPP Protection	≅620W		
OCP Protection	≅13A	≅130A	

<b>OVP Protection</b>	≈125V		
<b>OTP Protection</b>	≈95°C		
<b>Specification</b>			
<b>Short</b>	Current( CC )	≈13/12A	≈130/120A
	Voltage( CV )	0V	0V
	Resistance( CR )	≈15mΩ	≈15mΩ
<b>Input Impedance</b>	150KΩ		
<b>Weight</b>	7.1KG		
<b>Dimension</b>	214.5mm*88.2mm*453.5mm		

- \*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**