

Model		IT8514C+	
Rated value (0~40 °C)	Input voltage	0~120V	
	Input current	0~24A	0~240A
	Input power	1500W	
	Minimum operation value	0.25V at 24A	2.5V at 240A
CV mode	Range	0.1~18V	0.1~120V
	Resolution	1mV	10mV
	Accuracy	$\pm(0.05\%+0.02\%FS)$	
CC mode	Range	0~24A	0~240A
	Resolution	1mA	10mA
	Accuracy	$\pm(0.1\%+0.1\%FS)$	
CR mode *1	Range	0.05 Ω ~10 Ω	10 Ω ~7.5K Ω
	Resolution	16bit	
	Accuracy	0.02%+0.08S *2	0.02%+0.0008S
CP mode *3	Range	1500W	
	Resolution	10mW	
	Accuracy	$\pm(0.2\%+0.2\%FS)$	
Dynamic mode			
CC mode			
T1&T2	100 μ S~3600S /Res:1 μ S		
Accuracy	10 μ S \pm 100ppm		
Rising/Falling slope *4	0.001~0.3A/ μ S	0.01~3.2A/ μ S	
Minimum rise time *5	\approx 60 μ S	\approx 60 μ S	
Measuring range			
Readback voltage	Range	0~18V	0~120V
	Resolution	0.1 mV	1mV
	Accuracy	$\pm(0.025\%+0.025\%FS)$	
Readback current	Range	0~24A	0~240A
	Resolution	1mA	10mA
	Accuracy	$\pm(0.05\%+0.05\%FS)$	
Readback power	Range	1500W	
	Resolution	10mW	
	Accuracy	$\pm(0.2\%+0.2\%FS)$	
Protection range			
OPP Protection	\approx 1550W		
OCP Protection	\approx 26.7A	\approx 267A	

OVP Protection	≈125V		
OTP Protection	≈85°C		
Specification			
Short	Current(CC)	≈26.7/24A	≈267/240A
	Voltage(CV)	0V	0V
	Resistance(CR)	≈8mΩ	≈8mΩ
Input Impedance	150KΩ		
Dimension	436.5mm*88.2mm*463.5mm		

- *1 The voltage/current input is no less than 10% FS**
- *2 The scope of read-back resistance is: $(1/(1/R+(1/R)*0.02\%+0.08), 1/(1/R-(1/R)*0.02\%-0.08))$**
- *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**