

Specifications

Parameter	IT8514F		
Inputing Rating (0~40°C)	Voltage	0~60V	
	Current	1mA~240A	
	Power	1200 W	
Load Regulation	Range	Accuracy	Resolution
	0~18V	$\pm(0.05\%+0.02\%FS)$	1mV
	0~60V	$\pm(0.05\%+0.025\%FS)$	10mV
	0~24A	$\pm(0.1\%+0.1\%FS)$	1mA
CV Mode Regulation	0~240A	$\pm(0.2\%+0.15\%FS)$	10mA
	0.1~18V	$\pm(0.05\%+0.02\%FS)$	1mV
CC Mode Regulation	0.1~60V	$\pm(0.05\%+0.025\%FS)$	10mV
	0~24A	$\pm(0.1\%+0.1\%FS)$	1mA
CR Mode Regulation Input current \geq FS 10% Input Voltage \geq FS 10%	0~240A	$\pm(0.2\%+0.15\%FS)$	10mA
	0.1~10 Ω	$\pm(1\%+0.3\%FS)$	0.001 Ω
	10~99 Ω	$\pm(1\%+0.3\%FS)$	0.01 Ω
	100~999 Ω	$\pm(1\%+0.3\%FS)$	0.1 Ω
CW Mode Regulation Input current \geq FS 10% Input Voltage \geq FS 10%	1K-4K Ω	$\pm(1\%+0.8\%FS)$	1 Ω
	0~100W	$\pm(1\%+0.1\%FS)$	1mW
Current Measurement	100~1200W	$\pm(1\%+0.1\%FS)$	100mW
	0~24A	$\pm(0.1\%+0.1\%FS)$	1mA
Voltage Measurement	0~240A	$\pm(0.2\%+0.15\%FS)$	10mA
	0~18V	$\pm(0.02\%+0.025\%FS)$	1mV
Power Measurement Input current \geq FS 10% Input Voltage \geq FS 10%	0~60V	$\pm(0.02\%+0.025\%FS)$	10mV
	0~100W	$\pm(1\%+0.1\%FS)$	1mW
Battery testing function	100~1200W	$\pm(1\%+0.1\%FS)$	100mW
	Input=0.1~60V Max measurement capacity=999AH Resolution=10mA Timer range=1~60000sec		
Transition Mode	Range of Frequency 0.1Hz~1kHz frequency error rate <0.5%		
Resistance	$\leq 0.0055\Omega$		