



燃料 电 池 测 试 负 载

IT8514F系列可编程电子负载(1200W-100,000W)超低负载导通内阻约等于5ohm,可提供燃料电池测试之低电压和高电流需求,高分辨率和精度,让您的测试结果更加准确。具定电压,定功率,定电流和定电阻模式,远端测量、短路、电池测试以及动态测试的功能让您轻松完成各种测试。

IT8514F



IT8514F/15/16 Specification

		IT8514F		IT8515C		IT8516B		IT8516C	
Input Rating	Power	1200W		1800W		2400W		2400W	
额定输入	Current	0-240A		0-240A		0-120A		0-240A	
	Voltage	0-60V		0-120V		0-500V		0-120V	
CC Mode	Range	0-24A	0-240A	0-24A	0-240A	0-12A	0-120A	0-24A	0-240A
	Resolution	1mA	10mA	1mA	10mA	1mA	10mA	1mA	10mA
定电流模式	Accuracy*1	0.1%+0.1%FS	0.2%+0.25%FS	0.1%+0.1%FS	0.2%+0.25%FS	0.1%+0.1%FS	0.2%+0.15%FS	0.1%+0.1%FS	0.2%+0.25%FS
	CV Mode	Range	0-18V	0-60V	0-18V	0-120V	0-18V	0-500V	0-18V
定电压模式	Resolution	1mV	10mV	1mV	10mV	1mV	10mV	1mV	10mV
	Accuracy	0.05%+0.02%FS	0.05%+0.025%FS	0.05%+0.02%FS	0.05%+0.025%FS	0.05%+0.02%FS	0.05%+0.025%FS	0.05%+0.02%FS	0.05%+0.025%FS
CW Mode	Range	0-100W	100-1200W	0-100W	100-1800W	0-100W	100-2400W	0-100W	100-2400W
	Resolution	1mW	100mW	1mW	100mW	1mW	100mW	1mW	100mW
定功率模式	Accuracy	1%+0.1%	1%+0.1%	1%+0.1%	1%+0.1%	1%+0.1%	1%+0.1%	1%+0.1%	1%+0.1%
	CR Mode	Range	< 100Ω	< 4KΩ	< 100Ω	< 4KΩ	< 100Ω	< 4KΩ	< 100Ω
定电阻模式	Resolution	0.01Ω	1Ω	0.01Ω	1Ω	0.01Ω	1Ω	0.01Ω	1Ω
	Accuracy	1%+0.3%FS	1%+0.8%FS	1%+0.3%FS	1%+0.8%FS	1%+0.3%FS	1%+0.8%FS	1%+0.3%FS	1%+0.8%FS
V Measurement	Voltage	0-18V	0-60V	0-18V	0-120V	0-18V	0-500V	0-18V	0-120V
	Resolution	1mV	10mV	1mV	10mV	1mV	10mV	1mV	10mV
电压回馈值	Accuracy	0.02%+0.025%FS	0.02%+0.025%FS	0.02%+0.025%FS	0.02%+0.025%FS	0.02%+0.025%FS	0.02%+0.025%FS	0.02%+0.025%FS	0.02%+0.025%FS
	I Measurement	Current	0-24A	0-240A	0-24A	0-240A	0-24A	0-240A	0-24A
电流回馈值	Resolution	1mA	10mA	1mA	10mA	1mA	10mA	1mA	10mA
	Accuracy	0.1%+0.1%FS	0.2%+0.25%FS	0.1%+0.1%FS	0.2%+0.25%FS	0.1%+0.1%FS	0.2%+0.25%FS	0.1%+0.1%FS	0.2%+0.25%FS
W Measurement	Watt	0-100W	100-1200W	0-100W	100-1800W	0-100W	100-2400W	0-100W	100-2400W
	Resolution	1mW	100mW	1mW	100mW	1mW	100mW	1mW	100mW
功率回馈值 *2	Accuracy	1%+0.1%	1%+0.1%	1%+0.1%	1%+0.1%	1%+0.1%	1%+0.1%	1%+0.1%	1%+0.1%
	Short Circuit	Current(CC)	≈ 240A		≈ 240A		≈ 120A		≈ 240A
短路功能	Voltage(CV)	0V		0V		0V		0V	
	Resistance(CR)	≈ 5.5mΩ		≈ 5mΩ		≈ 5.5mΩ		≈ 4.5mΩ	
Temperature	Operating	0~40℃		0~40℃		0~40℃		0~40℃	
	Nonoperating	-10℃~60℃		-10℃~60℃		-10℃~60℃		-10℃~60℃	
Battery Test	Capacity	Max 999AH		Max 999AH		Max 999AH		Max 999AH	
	Transition	Frequency		0.1Hz-1KHz		0.1Hz-1KHz		0.1Hz-1KHz	
Dimention	W * H * D	440mm * 88.2mm * 458.9mm		444mm * 180mm * 539mm		444mm * 180mm * 539mm		444mm * 180mm * 539mm	
	Weight	Kg		13		30		30	

*1: 精确度表示规格为读值或输出的%+n%FS(Full Scale)

*2: 当输入电压及电流值>=满量程的10%

选件

IT-E131 RS232 通讯电缆	IT-E142 USB 通讯电缆(支持SCPI)
IT-E132 USB 通讯电缆	IT-E 253 遥控键盘
IT-E134 GPIB 通讯电缆	IT-E151 机架安装套件
IT-E141 RS232 通讯电缆(支持SCPI)	

附件详细规格请参阅第69页