

Specifications

Parameter	IT8513B	IT8514B	IT8513C	IT8514C	
input rating value (0 ~ 40 °C)	Voltage	0~500V	0~500V	0~120V	0~120V
	Current	1mA ~30A	1mA~60A	1mA~120A	1mA~240A
	Voltage	600 W	1200 W	600 W	1200 W
Load regulation	Range	Accuracy	Resolution	Accuracy	Resolution
	0~18V	$\pm(0.05\%+0.02\%FS)$	1mV	$\pm(0.05\%+0.02\%FS)$	1mV
	0~120V / 500V	$\pm(0.05\%+0.025\%FS)$	10mV	$\pm(0.05\%+0.025\%FS)$	10mV
	0~3A/6A/12A/24A	$\pm(0.1\%+0.1\%FS)$	1mA	$\pm(0.1\%+0.1\%FS)$	1mA
CV Mode regulation	0.1~18V	$\pm(0.05\%+0.02\%FS)$	1mV	$\pm(0.05\%+0.02\%FS)$	1mV
	0.1~120V / 500V	$\pm(0.05\%+0.025\%FS)$	10mV	$\pm(0.05\%+0.025\%FS)$	10mV
CC Mode regulation	0~3A/6A/12A/24A	$\pm(0.05\%+0.1\%FS)$	1mA	$\pm(0.05\%+0.1\%FS)$	1mA
	0~30A/60A/120A/240A	$\pm(0.1\%+0.15\%FS)$	10mA	$\pm(0.1\%+0.15\%FS)$	10mA
CR Mode Regulation (input current/voltage $\geq 10\%FS$)	0.1~10 Ω	$\pm(1\%+0.3\%FS)$	0.001 Ω	$\pm(1\%+0.3\%FS)$	0.001 Ω
	10~99 Ω	$\pm(1\%+0.3\%FS)$	0.01 Ω	$\pm(1\%+0.3\%FS)$	0.01 Ω
	100~999 Ω	$\pm(1\%+0.3\%FS)$	0.1 Ω	$\pm(1\%+0.3\%FS)$	0.1 Ω
	1K~4K Ω	$\pm(1\%+0.8\%FS)$	1 Ω	$\pm(1\%+0.8\%FS)$	1 Ω
CW Mode regulation (input current/voltage $\geq 10\%FS$)	0~100W	$\pm(1\%+0.1\%FS)$	1mW	$\pm(1\%+0.1\%FS)$	1mW
	100~600W/1200W	$\pm(1\%+0.1\%FS)$	100mW	$\pm(1\%+0.1\%FS)$	100mW
Current measurement	0~3A/6A/12A/24A	$\pm(0.1\% + 0.1\%FS)$	1mA	$\pm(0.1\% + 0.1\%FS)$	1mA
	0~30A/60A/120A/240A	$\pm(0.2\%+0.15\%FS)$	10mA	$\pm(0.2\%+0.15\%FS)$	10mA
Voltage measurement	0~18V	$\pm(0.02\% + 0.02\%FS)$	1mV	$\pm(0.02\% + 0.02\%FS)$	1mV
	0~120V/500V	$\pm(0.02\% + 0.025\%FS)$	10mV	$\pm(0.02\% + 0.025\%FS)$	10mV
Power measurement (input current/ voltage $\geq 10\%FS$)	0~100W	$\pm(1\%+0.1\%FS)$	1mW	$\pm(1\%+0.1\%FS)$	1mW
	100~600W/1200W	$\pm(1\%+0.1\%FS)$	100mW	$\pm(1\%+0.1\%FS)$	100mW
Battery testing function	Input=0.1~120V/500V Max measurement capacity= 999AH Resolution =10mA Timer range=1~60000sec				
Transition Mode	Range of Frequency 0.1Hz~1kHz Frequency error rate<0.5%				