



IT8500+ series single channel programmable electronic load with high density, high resolution and high accuracy supports dynamic test function, automatic test function, etc., which is suited for applications in areas such as LED driver testing, switching power testing, battery performance testing, etc. IT8500+ also provides standard SCPI protocol to build intelligent test platform that is ideal for multiple industries.

#### **Applications**

Battery test, lithium protection board test, power supply test, charger test, ATE, component test, etc.

### **Feature**

- Four operating modes: CV, CC, CR, CP
- Battery test function, automatic test function, OPP test, OCP test function and CR-LED function
- Dynamic mode up to 10kHz
- Voltage measurement resolution up to 0.1mV / 0.1mA
- Remote sense
- Short circuit function
- Current monitoring function
- Power-off memory function
- 100 groups memory capacity
- Optional USB / RS232 / RS485 interface

\*IT8514B+, IT8514C+, and IT8516C+ are built-in RS232 and USB interface

Model	Voltage	Current	Power	Size
IT8511A+	150V	30A	150W	1/2 2U
IT8511B+	500V	10A	150W	1/2 2U
IT8512A+	150V	30A	300W	1/2 2U
IT8512B+	500V	15A	300W	1/2 2U
IT8512C+	120V	60A	300W	1/2 2U
IT8512H+	800V	5A	300W	1/2 2U
IT8513A+	150V	60A	400W	1/2 2U
IT8513C+	120V	120A	600W	1/2 2U
IT8514B+	500V	60A	1500W	2U
IT8514C+	120V	240A	1500W	2U
IT8516C+	120V	240A	3000W	4U

#### Optional interface

IT-E121	RS232 communication cable
IT-E122	USB communication cable

# **Automatic Test Function**

IT8500+ supports two automatic test editing modes. One is special automatic test editing mode that can save up to 10 groups of test files, and the other is compatible with the IT8500 automatic test editing mode that can save up to 50 groups of test files, both of which can be called and tested at any time. Test operation is simple, the button can be completely locked to prevent accidental touch on the keyboard from affecting normal testing.



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# **Constant Current (CC)**

In CC mode, the electronic load will sink a constant current regardless of the changes of input voltage.



# Constant Voltage (CV)

In CV mode, the electronic load will attempt to sink enough current to control the source voltage to the programmed value.



## **Constant Resistance (CR)**

In CR mode, the module will sink a current linearly proportional to the input voltage in accordance with the programmed resistance.



# **Constant Power (CW)**

In CP mode, the electronic load will dissipate power in accordance with the programmed value.

If input voltage increase, input current will decrease.

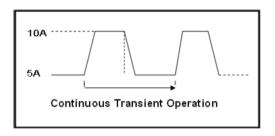


# **Transient Mode**

Transient operation enables the module to periodically switch between two load levels, as might be required for testing power supplies. Transient operation can be turned on and off from the front panel (shift + numeric key"2"). Before you turn on the operation, you should set the parameters associated with the transient operation. The parameters include: A level, B level, frequency, duty cycle and transient testing modes. There are three different transient testing modes: continuous, pulse, and toggle.

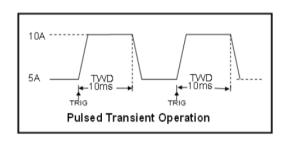
#### Continuous Mode

In continuous mode, the electronic load generates a repetitive pulse stream that toggles between two load levels. Load could switch the state between two value settings, A/B.



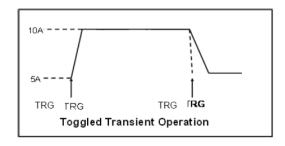
#### Pulse Mode

In pulse mode, the electronic load generates a transient pulse of programmable width when pulse transient operation is in effect. The load will automatically switch to A level after maintaining A width time. Then it will switch to B level. The load will not switch to A level again until the instrument receives the pulse signal.



#### Toggle Mode

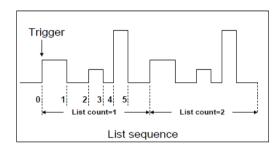
In toggle mode, the electronic load will switch between A level and B level when receiving a trigger signal after the transient operation is enabled. The following picture shows the current waveform in toggle transient operation.





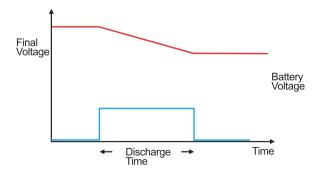
#### **List Mode**

List mode allows you to generate a complex current sequence. Moreover, the mode change can be synchronized with an internal or external signal, to accomplish dynamic and precise test which can save cost for users. Users can edit step value, pulse width and slope sequence and meet a complex test request. A list file includes following parameters: file name step counts (range 2-84), time width of single step (0.00005s-3600s), step value and slope. The edited list file can be recalled easily. The DC load provides 7 nonvolatile registers to save list files setting for recall later. In the list mode, the load starts to run the list file once receiving a trigger signal, continue to run until end of the operation or receiving another trigger.



# **Battery Mode**

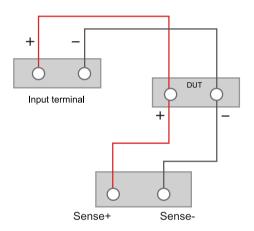
Battery discharge test of IT8500+ series can be achieved under CC mode. There are three cut-off conditions for IT8500+ include cut-off voltage, cut-off capacity and cut-off time, when any of the three conditions are met, discharge test will be stopped, the load will be automatically switched to OFF. Moreover, the battery voltage, discharge time and discharged capacity can be observed during the test.



Battery discharge function

# Remote Sense

When working in CC, CV, CP and CR mode, if the electronic load consumes a very large current, it will cause a voltage drop in the leads between the connected device and terminals of the electronic load. In order to ensure testing accuracy, the electronic load provides a pair of remote sensing terminals in the rear panel where users can sense the output terminal voltage of the connected device. Users should set the electronic load in REMOTE SENSE mode before using this function. By eliminating the effect of the voltage drop in the load leads, remote sensing provides greater accuracy by allowing the electronic load to regulate directly at the source's output terminals.



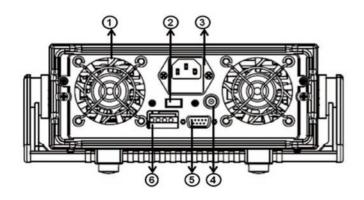


# IT8500+ Specifications

	peemeat								
	IT8	511A+		IT8511B+			IT8512A+		
Rated	Voltage	0~1		0~500V			0~150V		
( 0~40 °C)	Current	0~3A	0~30A	0~3A		0~10A	0~3A		0~30A
	Power	150	W		150W			300W	
	MOV	0.25V at 3A	3V at 30A	1.2V at 3A		4V at 10A	0.14V at 3A		1.4V at 30A
CV mode	Range	0~18V	0~150V	0.1~50V		0.1~500V	0.1~18V		0.1~150V
	Resolution	1mV	10mV	1mV		10mV	1mV		10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)	±(0.05%+0.05	5%FS)	±(0.05%+0.05%FS)	±(0.05%+0.02%	6FS)	±(0.05%+0.025%FS
CC mode	Range	0~3A	0~30A	0~3A		0~10A	0~3A		0~30A
	Resolution	0.1mA	1mA	0.1mA		1mA	0.1mA		1mA
	Accuracy	±(0.0	05%+0.05%FS)		±(0.05%	%+0.05%FS)		±(0.05	%+0.05%FS)
CR mode	Range	0.1Ω~10Ω	10Ω~7.5ΚΩ	0.5Ω~10Ω		10Ω~7.5ΚΩ	0.05Ω~10Ω		10Ω~7.5ΚΩ
	Resolution	16b	it		16bit			16bit	
	Accuracy	0.01%+0.08S *2	0.01%+0.0008S	0.01%+0.08S	*2	0.01%+0.0008S	0.01%+0.08\$	*2	0.01%+0.0008S
CP mode	Range	150	W		150W			300W	
	Resolution	10n	nW		10mW	1	10mW		
	Accuracy	±(0.1%+0.1%FS)		±(0.1%+0.2%FS)		±(0.1%+0.1%FS)		%+0.1%FS)	
Dynamic mode	T1&T2	20uS~360	0S /Res:1 uS		20uS~	-3600S /Res:1 uS		20uS~	~3600S /Res:1 uS
	Accuracy 2uS±100ppm		2uS±100ppm			2uS±100ppm			
Min response time	Up/down slope	0.0001~0.12AUs≒10uS	0.001~0.6 A/uS≒10uS	0.0001~0.2A/uS≒	10uS	0.001~0.8A/uS ≒10uS	0.0001~0.2A/		0.001~1.5A/uS
					Measurir	ng range			
Readback	Range	0~18V	0~150V	0~50V		0~500V	0~18V		0~150V
Voltage	Resolution	0.1 mV	1mV	1 mV		10 mV	0.1 mV		1 mV
	Accuracy	±(0.025%-	+0.025%FS)	±(0.025%+0.025%FS)		±(0.025%+0.025%FS)		25%+0.025%FS)	
Readback	Range	0~3A	0~30A	0~3A		0~10A	0~3A		0~30A
Current	Resolution	0.1mA	1mA	0.1mA		1mA	0.1mA		1mA
	Accuracy	±(0.05%+0	0.05%FS)		±(0.05	5%+0.05%FS)		±(0.05	5%+0.05%FS)
Readback	Range	150	W	150W			300W		
Power	Resolution	10n	nW		10mW	1		10mW	1
	Accuracy	±(0.1%+0.	1%FS)		±(0.1%	%+0.2%FS)		±(0.19	%+0.1%FS)
					Protecte	d range		_(****	
Over power p	rotection	≒1	60W		≒160	W		≒320	W
Over current p	orotection	≒3.3A	≒33A	≒3.3A		≒11A	≒3.3A		≒33A
Over voltage	protection	≒1	60V		<b>≒</b> 530	V		≒160	V
Over temperatu	ure protection	<b>≒</b> 8	5°C		≒85°0	C		≒85°0	С
					Specifica	ation			
Short circuit	CC	≒3.3/3A	≒33/30A	≒3.3/3A		≒11/10A	≒3.3/3A		≒33/30A
	CV	<b>≑</b> 0′	V		≒o∨			≒o∨	
	CR	<b>≒</b> 8	0mΩ		≒400	mΩ		≒180	mΩ
Input terminal impedance ≒300KΩ		00ΚΩ	÷1MΩ				<b>≒</b> 300	ΚΩ	
Size(W*H*D)			8.2mm*354.6mm	214.5mm*8			214.5mm*8	18 2mm	n*354 6mm

<sup>\*</sup>This information is subject to change without notice

# IT8511A+ / IT8512A+ / IT8511B+ / IT8512B+ / IT8512C+ / IT8512H+ / IT8513A+ / IT8513C+



- ${\color{red} \textcircled{1}} \text{ Air vents}$
- ② Voltage switch (110V/220V)
- ③ AC line input
- **4** Current monitoring Terminal
- ⑤ 9-Pin serial port interface connector
- ⑥ Trigger and remote sensing terminal block



# IT8500+ Specifications

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			IT8512B+				IT8512H+	
Rated	Voltage		0~500V				0~800V	
( 0~40 °C)	Current	0~3A		0~15A		0~1A		0~5A
( /	Power		300W				300W	
	MOV	0.6V/3A		3V/15A		1.4V at 1A		7V at 5A
CV mode	Range	0.1~50V		0.1~500V		0.1~80V		0.1~800V
	Resolution	1mV		10mV		1mV		10mV
	Accuracy	±(0.05%+0.05%F	S)	±(0.05%+0.05%	FS)	±(0.05%+0.05%FS	3)	±(0.05%+0.05%FS)
CC mode	Range	0~3A		0~15A		0~1A		0~5A
	Resolution	0.1mA		1mA		0.1mA		1mA
	Accuracy	±(0.05%+0.05%F	S)	±(0.05%+0.05%FS	5)	±(0.05%+0.1%FS)		±(0.05%+0.05%FS)
CR mode	Range	0.3Ω~10Ω	,	10Ω~7.5ΚΩ	•	2Ω~10Ω		10Ω~7.5ΚΩ
	Resolution		16bit				16bit	
	Accuracy	0.01%+0.08S		0.01%+0.0008S		0.01%+0.08S*2		0.01%+0.0008S
CP mode	Range		300W				300W	
	Resolution		10mW				10mW	
	Accuracy		±(0.1%+0.	2%FS)			0.2%+0.2%F	S
Dynamic mode	T1&T2		20uS~3600	0S /Res:1 uS			20uS~3600S	S/Res:1 uS
•	Accuracy		2uS±100pr	om			2uS±100ppn	า
Min response time	Up/down slope	0.0001~0.2A/uS≒10u	us 0.001~0.	3A/uS ≒10uS		0.0001~0.04A/uS≒20	uS	0.001~0.2A/uS ≒20uS
					Measuring range			
Readback	Range	0~50V		0~500V		0~80V		0~800V
Voltage	Resolution	1 mV		10 mV		1 mV		10 mV
	Accuracy		±(0.025%+	0.025%FS)			±(0.025%+0	
Readback	Range	0~3A	,	0~15A		0~1A	,	0~5A
Current	Resolution	0.1mA		1mA		0.1mA		1mA
	Accuracy		±(0.05%+0	.05%FS)		*******	±(0.05%+0.0	5%FS)
Readback	Range		300W				300W	
Power	Resolution		10mW				10mW	
	Accuracy		±(0.1%+0.2	2%FS)			±(0.2%+0.2%	6FS)
					Protected range			
Over power pro	otection		≒320W				≒320W	
Over current p	rotection	≒3.3A		≒16A		≒1.1A		≒5.5A
Over voltage p	rotection		≒530V				≒850V	
Over temperatur	e protection		≒85°C				≒85°C	
					Specification			
Short circuit	CC	≒3.3/3A		≒16/15A		≒1.1/1A		≒5.5/5A
	CV		≒0V				≒0V	
	CR		≒180mΩ				≒1.4Ω	
Input terminal i	mpedance		1ΜΩ				2ΜΩ	
		214.5mm\						354.6mmD*88.2mmH

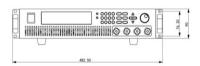
O-64				IT8513A+			IT8513C+			
Power   MOV   0.25V at 6A   2.5V at 60A   0.2V at 12A   0.0V at 12A   0.1-120V   0.1-	Rated	Voltage		0~150V			0~120V			
MOV	(0~40°C)	Current	0~6A		0~60A	0~12A		0~120A		
CV mode   Range   0.1~18V   0.1~150V   0.1~150V   1mV   10mV	,	Power		400W			600W			
Resolution   1mV   10mV   1		MOV	0.25V at 6A		2.5V at 60A	0.2V at 12A		2V at 120A		
Resolution	CV mode	Range	0.1~18V		0.1~150V	0.1~18V		0.1~120V		
CC mode Range 0-6A 0-60A 0-12A 0-120A Resolution 0.1mA 1mA 1mA 10mA Accuracy ±(0.05%+0.05%FS) ±(0.05%-0.05%FS) ±(0.05%+0.1%FS) ±(0.05%+0.1%FS) ±(0.05%+0.05%FS) ±(0.05%+0.1%FS) ±(0.05%+0.05%FS) ±(0.05%+0.05%FS			1mV		10mV	1mV		10mV		
Resolution		Accuracy	±(0.05%+0.02%FS)		±(0.05%+0.025%FS)	±(0.05%+0.02%FS		±(0.05%+0.025%FS)		
Accuracy	CC mode	Range	0~6A		0~60A	0~12A		0~120A		
CR mode   Range   0.1Ω~10Ω   10Ω~7.5KΩ   10.05%+0.05%FS)   10.05%+0.05%FS)   10.05Ω~10Ω   10Ω~7.5KΩ   10.05Ω~10Ω   10Ω~7.5KΩ   10.05Ω~10Ω   10Ω~7.5KΩ   10.05Ω~10Ω   10Ω~7.5KΩ   10.05Ω~10Ω   10Ω~7.5KΩ   10.05Ω~10Ω   10Ω~7.5KΩ   10.01%+0.008S   2		Resolution	0.1mA		1mA	1mA		10mA		
CR mode   Range   Rasolution   Resolution   Accuracy   0.10~10Ω   10Ω~7.5KΩ   0.01%+0.008S   16bit   0.01%+0.008S   2   0.00%~3600S / Res:1 uS   0.00%~3600S / Res:1 uS   0.00%~3600S / Res:1 uS   0.00%+0.02%+0.008S   0.00%+0.008S   0.00%+0.0		Accuracy	±(0.05%+0.05%FS)		±(0.05%+0.05%FS)	±(0.05%+0.05%FS)		±(0.05%+0.1%FS)		
Resolution   Accuracy   Accura	CR mode		0.1Ω~10Ω		10Ω~7.5ΚΩ	0.05Ω~10Ω		10Ω~7.5KΩ		
CP mode         Range         400W         600W           Resolution         10mW         10mW         10mW           Accuracy         ±(0.2%+0.2%FS)         ±(0.2%+0.2%FS)           Dynamic mode         T18.T2         100uS-36005 /Res:1 uS         100uS-36005 /Res:1 uS           Accuracy         Just-100ppm         0.001~0.2A/uS ≒60uS         0.001~0.24/uS ≒60uS           Readback         Range         0.01         0.0150V         0.01 ™V           Voltage         Resolution         0.1 mV         1mV         0.1 mV           Accuracy         ±(0.025%+0.025%FS)         ±(0.025%+0.025%FS)         ±(0.025%+0.025%FS)           Readback         Range         0~6A         0~60A         0~12A         0~120A           Current         Resolution         0.1 mA         1mA         1mA         1mA         1mA         1mA         1mA         10mA         €(0.05%+0.05%FS)         ±(0.05%+0.05%FS)				16bit			16bit			
Resolution		Accuracy	0.01%+0.08S		0.01%+0.0008S	0.01%+0.08S *2		0.01%+0.0008S		
Accuracy	CP mode	Range		400W			600W			
Dynamic mode		Resolution		10mW						
Accuracy   Minresponse time   Up/down slope		Accuracy								
Minresponse time   Up/down slope   0.001~0.15A/uS	Dynamic mode	T1&T2		100uS~3600S /	Res:1 uS			Res:1 uS		
Readback   Range   0~18V   0~150V   0~18V   0~120V		Accuracy		10uS+100ppm			10uS±100ppm			
Readback   Range   Resolution   O-18V   O-150V   O-18V   O-120V	Min response time	Up/down slope	0.001~0.15A/uS		0.01~1 A/uS	0.001~0.2A/uS≒60uS	3	0.01~1.6A/uS ≒60uS		
Voltage   Resolution   0.1 mV   1mV   1mA   1mM   1mV   1										
Accuracy	Readback	Range								
Readback   Range   O~6A   O~60A   O~12A   O~12OA	Voltage	Resolution	0.1 mV		1mV	0.1 mV		1mV		
Current         Resolution Accuracy         0.1mA         1mA         1mA         1mA         10mA           Readback Range Power Resolution Accuracy         400W         600W         600W         10mW         10mW         600W           Power Power Power Protection Over current protection Over current protection Over current protection Over temperature protection         ÷420W         ÷620W         ÷620W           Over temperature protection Vertemperature protection Cover temperature protection         ÷165V         ÷13A         ÷130A           Short circuit Cover temperature protection Cover Cover temperature protection Cover temperature prote		Accuracy		±(0.025%+0.025			±(0.025%+0.025			
Accuracy		Range								
Readback Power         Range Resolution Accuracy         400W 10mW 10mW 10mW 10mW 10mW 10mW 10mW 1	Current	Resolution								
Power Resolution $\pm (0.2\% + 0.2\% FS)$ Over power protection $\div 420W$ $\div 66A$ $\div 13A$ $\div 130A$ Over voltage protection $\div 85^{\circ}C$ $\div 95^{\circ}C$ Short circuit $CC$ $\div 6.6/6A$ $\div 66/60A$ $\div 13/12A$ $\div 130/120A$ $CV$ $CR$ $\div 30m\Omega$ $\div 150K\Omega$		Accuracy	±(0.05%+0.05%FS)		±(0.05%+0.05%FS)	±(0.05%+0.05%FS)		±(0.05%+0.1%FS)		
Accuracy $\pm (0.2\% + 0.2\% FS)$ Protected range $\pm (0.2\% + 0.2\% FS)$ Over power protection $\div 420W$ Over current protection $\div 6.6A$ Over voltage protection $\div 165V$ Over temperature protection $\div 85^{\circ}C$ Specification $\div 13/12A$	Readback	Range		400W			600W			
Protected range   Section   Secti	Power	Resolution					10mW			
Over power protection $\Rightarrow 420W$ $\Rightarrow 620W$ Over current protection $\Rightarrow 6.6A$ $\Rightarrow 66A$ $\Rightarrow 13A$ $\Rightarrow 130A$ Over voltage protection $\Rightarrow 165V$ $\Rightarrow 125V$ Over temperature protection $\Rightarrow 85^{\circ}C$ Specification  Short circuit $\Rightarrow 130V$		Accuracy		±(0.2%+0.2%FS			+(0.2%+0.2%FS	3)		
Over current protection         ≒ 6.6A         ≒ 13A         ≒ 130A           Over voltage protection         ≒ 165V         ≒ 125V           Over temperature protection         ≒ 85°C         ≤ 95°C           Specification           Short circuit         CC         ≒ 6.6/6A         ≒ 66/60A         ≒ 13/12A         ≒ 130/120A           CV         ≒ 0V         ≒ 0V         ≒ 0V         ≒ 15mΩ           Input terminal impedance         ≒ 280KΩ         150KΩ					Protected range		,	,		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				≒420W			≒620W			
Over temperature protection         ÷85°C         ÷95°C           Short circuit         CC         ÷6.6/6A         ÷66/60A         ÷13/12A         ÷130/120A           CV         ÷0V         ÷0V         ÷0V         ÷15mΩ           Input terminal impedance         ÷280KΩ         150KΩ			≒6.6A		≒66A	≒13A		≒130A		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										
Short circuit $CC$ $=6.6/6A$ $=66/60A$ $=13/12A$ $=130/120A$ $=0V$ $=0V$ $=15m\Omega$ Input terminal impedance $=280K\Omega$ $=150K\Omega$	Over temperatur	e protection		≒85°C			≒95°C			
CV $⇒0V$ $⇒0V$ $⇒15mΩ$ Input terminal impedance $⇒280$ ΚΩ 150ΚΩ										
	Short circuit		≒6.6/6A		≒66/60A	≒13/12A		≒130/120A		
Input terminal impedance ≒280KΩ 150KΩ										
120112							-			
Size(W*H*D) 214.5mm*88.2mm*453.5mm 214.5mm*88.2mm*453.5mm										
	Size(W*H*D)		214.5	mm*88.2mm*453	3.5mm	214.5	mm*88.2mm*453	.5mm		

# IT8500+ Specifications

	-								
		IT8514C+			14B+		<sup>-</sup> 8516C+		
Rated	Voltage	0~120V		0~!	V000	0	~120V		
(0~40 °C)	Current	0~24A	0~240A	0~6A	0~60A	0~24A	0~240A		
`	Power	1500W			00 W	3000W			
	MOV	0.25V at 24A	2.5V at 240A	0.5V at 6A	3V at 60A	0.15V at 24A	1.5V at 240A		
CV mode	Range	0~18V	0.1~120V	0.1~50V	0.1~500V	0.1~18V	0.1~120V		
	Resolution	1mV	10mV	1mV	10mV	1mV	10mV		
	Accuracy	±(0.05%+0.02%FS	±(0.05%+0.025%FS)	±(0.05%+0.05%	FS) ±(0.05%+0.05%FS)	±(0.05%+0.02%FS)	±(0.05%+0.025%FS)		
CC mode	Range	0~24A	0~240A	0~6A	0~60A	0~24A	0~240A		
	Resolution	1mA	10mA	1mA	10mA	1mA	10mA		
	Accuracy	±(0.1%+0.1%FS)	±(0.1%+0.1%FS)	±(0.05%+0.05%	FS) ±(0.05%+0.05%FS)	±(0.1%+0.1%FS)	±(0.1%+0.1%FS)		
CR mode	Range	0.05Ω~10Ω	10Ω~7.5ΚΩ	0.05Ω~10Ω	10Ω~7.5KΩ	0.05Ω~10Ω	10Ω~7.5ΚΩ		
	Resolution	16bit		16k		16bit			
	Accuracy	0.02%+0.08S	0.01%+0.0008S	0.02%+0.08S		0.02%+0.08S*1	0.02%+0.0008S		
CP mode	Range	1500W			WO	3000W			
	Resolution	10mW		10r		10mW			
	Accuracy	± (0.2%+0.2	2%FS)		.2%+0.2%FS)	± (0.2%+0.2	2%FS)		
Dynamic mode	T1&T2	100uS~360	00S /Res:1uS		uS~3600S /Res:1 uS	120uS~360	0S /Res:1 uS		
	Accuracy	10uS±100p	ma	10ι	S±100ppm	10uS±100p	pm		
Min response time	Up/down slope	0.001~0.3A/uS	0.01~3.2A/uS	0.001~0.15A/uS≒		0.001~0.25A/uS≒70uS	S 0.01~2.4A/uS≒70uS		
					easuring range				
Readback	Range	0~18V	0~120V	0~50V	0~500V	0~18V	0~120V		
Voltage	Resolution	0.1 mV	1mV	0.1 mV	1mV	0.1 mV	1mV		
	Accuracy	±(0.025%+		±(0	.025%+0.025%FS)	±(0.025%+	-0.025%FS)		
Readback	Range	0~24A `	0~240A	0~6A	0~60A	0~24A	0~240Á		
Current	Resolution	1mA	10mA	1mA	10mA	1mA	10mA		
	Accuracy	±(0.05%+0	.05%FS)	±(0	.05%+0.05%FS)	±(0.1%+0	.1%FS)		
Readback	Range	1500W	,	150	WOO	3000W	3000W		
Power	Resolution	10mW		10r	nW	10mW			
	Accuracy	±(0.2%+0.2	2%FS)	±(0	.2%+0.2%FS)	±(0.2%+0	.2%FS)		
	Ť		,	Pr	otected range	,	,		
Over power pro		≒1550W		≒1	550W	≒3050W			
Over current pr		≒26.7A	≒267A	≒6.7A	≒67A	≒26A	≒260A		
Over voltage p		≒125V		≒5	30V	≒125V			
Over temperatur	re protection	≒85°C				≒85°C			
				Sp	ecification				
Short circuit	CC	≒26.7/24A	≒267/240A	≒6.7/6A	≒67/60A	≒26/24A	≒260/240A		
	CV	≑0V		≒C	V	÷0V			
	CR	≒8mΩ		≒5	0mΩ	≒6mΩ			
Input terminal impedance		300ΚΩ		1M	Ω	300ΚΩ			
Size(W*H*D)		436.5mm*88.2mm	1*463 5mm	436 5mm*8	8.2mm*463.5mm	436 5mm	*176mm*463.5mm		

<sup>\*1</sup> Resistance readback range: ( 1/(1/R+(1/R)\*0.01%+0.08), 1/(1/R-(1/R)\*0.01%-0.08)) IT8514B+/14C+/16C+: ( 1/(1/R+(1/R)\*0.02%+0.08), 1/(1/R-(1/R)\*0.02%-0.08))

#### IT8514B+/IT8514C+ Dimension figure









For more information, please visit ITECH official website www.itechate.com



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<sup>\*</sup>This information is subject to change without notice