

APPLICATIONS

- Automotive Electronics
- Civil avionics

- Electric Vehicle Battery Test
- Solar Panel I-V Curve Simulation
- Battery Simulation
- LED

Your Power Testing Solution





Overcome the toughest high power test challenges

With ITECH's latest technology, the IT6500 series offers a full-featured high-performance power test solution. With fast response these DC power supplies provide users with a new level of power supply performance. From 800W to 6kW, the maximum output voltage and current is up to 1000V and 240A respectively. With its autoranging capabillity, it also has a super wide range of voltage and current applications. Users can choose the power supply that fits their testing requirements perfectly.



Choose the right power supplies that fit your test requirements

IT6502D/IT6512/IT6512A/ IT6513/IT6513A	Good performance and compact size, designed for general purpose testing in R&D and production.
IT6500C/D series	High performance with stable output, designed for automobile, green energy, high speed testing, high-power testing etc.

800W	IT6502D 80V/60A/800W					
1200W	IT6512/A 80V/60A/1200W	IT6513/A 150V/30A/1200W				
1800W	IT6512C/D	IT6513C/D	IT6514C/D	IT6515C/D	IT6516C/D	IT6517C/D
	80V/120A/1800W	200V/60A/1800W	360V/30A/1800W	500V/20A/1800W	750V/15A/1800W	1000V/10A/1800W
3kW	IT6522C/D	IT6523C/D	IT6524C/D	IT6525C/D	IT6526C/D	IT6527C/D
	80V/120A/3kW	200V/60A/3kW	360V/30A/3kW	500V/20A/3kW	750V/15A/3kW	1000V/10A/3kW
6kW	IT6532C/D	IT6533C/D	IT6534C/D	IT6535C/D	IT6536C/D	IT6537C/D
	80V/240A/6kW	200V/120A/6kW	360V/60A/6kW	500V/40A/6kW	750V/30A/6kW	1000V/20A/6kW

^{*} For higher power test, please contact ITECH.

IT6500 Wide-range High-power DC Power Supply



Independent settable slew rate in different modes

IT6500C series can be used as a power supply and an electronic load. As a power supply, CV, CC, CP modes are available. As an electronic load, CC and CP mode are available. IT6500C supports independent adjustable rise/fall time setting in different modes.

For every single model of IT6500C/D series, no matter it is a single unit or multiple units paralleled together, the rise and fall time of each power supply in IT6500C/D series are the same. Take IT6522C as an example:

- Within 30V voltage range, with 0-90% load, up and down speed
- Falling time of no load with voltage at full scale: Without power dissipater unit, falling time <30ms With power dissipater unit, falling time <5ms
- Dvnamic response time <3ms



DC ratings of single unit IT6522C: 80V/120A/3000W

Voltage ratings: 10V Current ratings: 120A Load Current: 0A



DC ratings of single unit IT6522C: 80V/120A/3000W

Voltage ratings: 10V Current ratings: 120A Load Current: 100A

No matter whether it is in the power supply mode (CV, CC, CP) or in the electronic load mode (CC, CP), IT6500 series has adjustable rise and fall time, and the settable range is 1ms-24h.

Fast curve changing without overshoot CC & CV Priority Function

To conquer the demanding testing requirements existing for a long time in various applications, ITECH developed an innovative industry-leading CV & CC priority concept. The IT6500 is available for high-speed test applications with-out overshoot. Users can chose the desired output mode. Voltage high-speed mode or current no overshoot mode by choosing the loop response speed and loop operation mode. It is suitable for high-power integrated circuit test. solar array simulation and the transient simulation / characteristic of automotive electronics.



Fast voltage built with turn-on over range inrush current (CV-High, CC-Low, CV takes precedence)

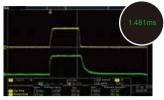


Built-in paralleling of multiple power supplies with even current distribution

IT6500C supports multiple power supplies paralleling together in master-slave mode. Even further it can ensure that each power supply equally shares the load current and they all remain in the desired mode. In the traditional sense, when paralleling power supplies together, different power supplies will operate in different operation modes. For instance, when two sets of power supplies are paralleled together, one will offer a majority of current in CC mode, and the other will offer only a small part of current in CV mode, which will degrade certain power supplies' performance specifications. The even current distribution ability of the IT6500 ensures each power supply equally shares the load current without degrading the performance specifications. When paralleling multiple IT6500 the combined system has all the same functions as a standalone unit. That is a great way to add power flexibility to your test system. What is particularly unusual is that after the expansion of power, IT6500C can still maintain the excellent dynamic characteristics of the single unit to meet the I-V characteristic curve testing demanding a variety of high-power high-speed applications.

IT6500 Wide-range High-power DC Power Supply

Low voltage & high current test



Standalone set IT6522C

80V,120A, 3000W Voltage ratings: 10V Current ratings: 120A Load current: 100A



8 sets of IT6522C paralleling together

Voltage ratings: 10V Current ratings: 960A Load current: 800A

High voltage & low current test



Standalone set unit IT6522C

80V, 120A, 3000W Voltage ratings: 80V Current ratings: 120A Load current: 30A



8 sets of IT6522C paralleling together

Voltage ratings: 80V Current ratings: 960A Load current: 300A

Dynamic response test



Standalone set IT6522C

80V, 120A, 3000W Voltage ratings: 10V Current ratings: 120A Load current: Level A=10A Level B=100A F=10 Hz



8 sets of IT6522C paralleling together

Voltage ratings: 10V Current ratings: 960A Load current: Level B=800A F=10Hz

* Figure: Voltage-Yellow, Current-Green

From the tests, we conclude:

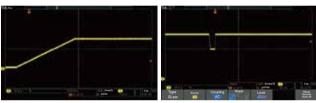
- 1. Voltage rise time: 8 units of IT6522C paralleling together, the voltage rise time is faster than single unit operation.
- 2. Fall time: parallel units remain the same as single unit.
- 3. Dynamic response waveforms: parallel units remain the same as single unit.

Simple programming on the front panel (List)

Similar to other modern ITECH products, the IT6500 series provides a user friendly front panel for quick programming without the need for external software.

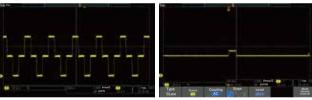
In list mode, the IT6500 series can store, recall and run the preset customized program sequences via front panel programming. Users can edit the voltage/current value & the time of each step in advance and provide the power supply with a trigger signal. Then the preset sequences / waveform will be executed automatically according to the defined LIST. That's especially suitable for the applications such as DC / DC converters, inverters voltage drop test, engine start-up simulation, battery charging / discharging tests, product life cycle tests and aircraft test etc.

Waveforms programmed with IT6500 series by engineers



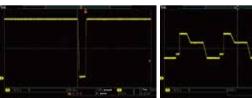
Soft Start Testing

D/D Converter Sag Testing



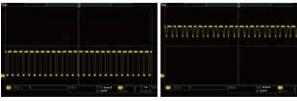
Voltage Step Waveform

D/D Converter Surge Testing



D/D Converter Cycle drop Testing

Life Cycle Testing



Pulse Charge of Battery

Line Regulation Testing

*Output test with no load

IT6500 Wide-range High-power DC Power Supply

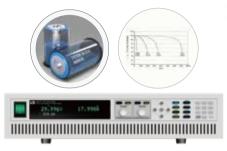




Functions for special applications

Programmable output impendence

In battery charging and discharging test, the changes of internal resistance should be taken into account. For enhancing test precision, IT6500C series power supply provides built-in internal resistance setting function which can simulate battery operation status in real-case.



Multiple actual working status simulation of batteries

Solar panel I-V curve simulation function

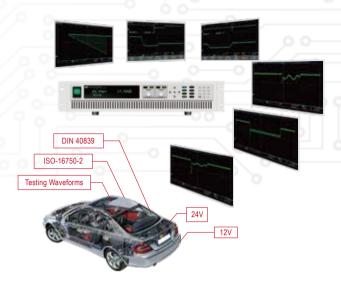
IT6500C series high power DC power supply is equipped with SAS1000 solar array simulation software, which can accurately simulate the solar array I-V curve. With built-in EN50530 / Sandia / NB/T32004 / CGC/GF004 / CGC/GF035 SAS module. Users can set the parameters to simulate I-V curve characteristic output and generate reports. These benefit much in test of the static & dynamic maximum power tracking performance of photovoltaic inverters.

* SAS1000 solar array simulation software is available for choice



Built-in standard automotive power network voltage curves

The automobile electronics devices must tolerate the dropouts or surges from power turn-on or turn-off transient. For these tests, it is necessary to simulate the worst-case power transient conditions. IT6500C series power supply provide built-in DIN40839, ISO-16750-2, SAEJ1113-11, LV124 and ISO21848 testing curves. Users can select any built-in curve to do the DUT performance test directly according to their demand. 12V, 24V and 48V are available for choice.





Multiple built-in interfaces*

In conventional high power test instrument, extra interfaces add cost. In the IT6500 series all the implemented interfaces are built-in standard. Simplifying the configuration process and adding flexibility to change interface used without adding additional cost.

Cost saving	IT6500C	IT6500D	IT6512 IT6513	IT6502D IT6512A IT6513A
Analog control interfaces	$\sqrt{}$	\checkmark	V	$\sqrt{}$
USB	\checkmark	$\sqrt{}$	$\sqrt{}$	\checkmark
RS232	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
RS485	-	-	$\sqrt{}$	\checkmark
LAN	$\sqrt{}$	$\sqrt{}$	-	-
CAN	\checkmark	$\sqrt{}$	-	-

^{*} For any GPIB interface option request, check with ITECH for availability.



Integrating protection measures into test instruments is critical and high cost especially in high power test. To provide fully protections for DUTs, IT6500 series integrate multiple fast protection measures.

These protection capabilities include:

- CC & CV Priority Function to avoid unwanted overshoot
- Power Supply mode: OVP,OCP,OPP
- Electronic Load mode: OCP,OPP,OTP (IT6500C)
- Anti-reverse protection (optional)
- Turn-off protection
- Under voltage protection (UVP)

Your Power Testing SolutionIT6500 Wide-range High-power DC Power Supply

Parameter		IT6502D	IT6512	IT6512A	IT6513	IT6513A
Output Rating	Voltage	0~80V	0~80V	0~80V	0~150V	0~150V
(0°C~40°C)	Current	0~60A	0~60A	0~60A	0~30A	0~30A
(Remote sense mode)	Power	0~800W	0~1200W	0~1200W	0~1200W	0~1200W
Load Regulation	Voltage	<0.01%+5mV	<0.01%+8mV	<0.01%+8mV	<0.05%+30mV	<0.05%+30mV
±(%of Output+Offset)	Current	≤0.1%+10mA	≤0.1%+10mA	≤0.1%+10mA	≤0.1%+30mA	≤0.1%+30mA
Line Regulation	Voltage	<0.02%+1mV	<0.02%+2mV	<0.02%+2mV	<0.02%+20mV	<0.02%+20mV
±(%of Output+Offset)	Current	<0.02%+1mA	<0.02%+2mA	<0.02%+2mA	<0.02%+10mA	<0.02%+10mA
Setup Resolution	Voltage	1mV	1mV	1mV	3mV	3mV
	Current	1mA	1mA	1mA	1mA	1mA
Readback Resolution	Voltage	1mV	1mV	1mV	3mV	3mV
	Current	1mA	1mA	1mA	1mA	1mA
Setup Accuracy *1 (Within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage	≤0.02%+30mV	≤0.02%+30mV	≤0.02%+30mV	≤0.05%+30mV	≤0.05%+30mV
	Current	≤0.1%+0.1%FS	≤0.1%+0.1%FS	≤0.1%+0.1%FS	≤0.2%+0.1%FS	≤0.2%+0.1%FS
Readback Accuracy *2 (Within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage	0.02%+30mV	0.02%+30mV	≤0.02%+30mV	<0.05%+30mV	0.05%+30mV
	Current	≤0.1%+0.1%FS	≤0.1%+0.1%FS	≤0.1%+0.1%FS	≤0.2%+0.1%FS	≤0.2%+0.1%FS
Ripple	Voltage	≤30mVp-p	≤30mVp-p	≤30mVp-p	≤60mVp-p	≤60mVp-p
(20Hz-20MHz)	Current	10mArms	10mArms	≤20mArms	≤40mArms	40mArms
Setting Temperature Coefficient ±(%of Output+Offset)	Voltage Current	0.02%+30mV ≤0.05%+10mA	0.02%+30mV ≤0.05%+10mA	≤0.02%+30mV ≤0.05%+10mA	<0.02%+30mV ≤0.05%+10mA	0.02%+30mV ≤0.05%+10mA
Readback Temperature Coefficient ±(%of Output+Offset)	Voltage Current	0.02%+30mV ≤0.05%+5mA	0.02%+30mV ≤0.05%+5mA	≤0.02%+30mV ≤0.05%+5mA	<0.02%+30mV ≤0.05%+5mA	0.02%+30mV ≤0.05%+5mA
Dimension (mm))		41	5mmW×44mmH×500mr	nD	

Parameter		IT6512C	IT6512D	IT6522C	IT6522D	IT6532C	IT6532D	
	Voltage	0~80V	0~80V	0~80V	0~80V	0~80V	0~80V	
Output Rating (0°C~40°C)	Current	0~120A	0~120A	0~120A	0~120A	0~240A	0~240A	
(0 0 .0 0)	Power	0~1800W	0~1800W	0~3000W	0~3000W	0~6kW	0~6kW	
Programmable output re	esistance	0~3.556Ω	-	0~2.133Ω	-	0~1.067Ω	-	
Load Regulation	Voltage		≤0.01%	+30mV		≤0.01%	5+30mV	
±(%of Output+Offset)	Current		≤0.05%	+30mA		≤0.05%	6+60mA	
Line Regulation	Voltage		≤0.01%	+10mV		≤0.01%	5+10mV	
±(%of Output+Offset)	Current		≤0.01%	+15mA		≤0.01%	6+30mA	
Out a Decel Co.	Voltage		101	nV		100mV		
Setup Resolution	Current		101	10mA				
Dandhaali Danaliitiaa	Voltage		101	DmV		100mV		
Readback Resolution	Current		10	mA	10mA			
Setup Accuracy *1	Voltage		≤0.05%+30mV ≤0.05%+30mV			5+30mV		
(Within 12 months,25 °C±5°C) ±(%of Output+Offset)	Current		≤0.2%+	-120mA		≤0.2%+240mA		
Readback Accuracy *2	Voltage		≤0.05%	+30mV		≤0.05%	5+30mV	
(Within 12 months,25°C±5°C) ±(%of Output+Offset)	Current		≤0.2%+	-120mA		≤0.2%-	+240mA	
Ripple	Voltage		≤80m	ıVp-p		≤80n	nVp-p	
(20Hz-20MHz)	Current		≤0.05%+60mArms				120mArms	
Rise time (no load) *3	Voltage	≤5ms	≤5ms ≤30ms ≤5ms ≤30ms			≤5ms	≤30ms	
Fall time (full load) *3	Voltage	≤10ms	≤10ms ≤20ms ≤10ms ≤20ms				≤20ms	
Number of Power Dissipators	in Parallel	≤3	-	≤3	-	≤6	-	
Dimension (mm)			483mmW×105.4r	mmH×640.8mmD		483mmW×194mmH×640.8mmD		

IT6500 Wide-range High-power DC Power Supply

Parameter		IT6513C	IT6513D	IT6523C	IT6523D	IT6533C	IT6533D	
Output Rating (0°C~40°C)	Voltage Current Power	0~200V 0~60A 0~1800W	0~200V 0~60A 0~1800W	0~200V 0~60A 0~3000W	0~200V 0~60A 0~3000W	0~200V 0~120A 0~6kW	0~200V 0~120A 0~6kW	
Programmable output re		0~100000	-	0~13Ω	-	0~6.666Ω	-	
Load Regulation ±(%of Output+Offset)	Voltage Current		≤0.01% ≤0.05%	≤0.01%+50mV ≤0.05%+40mA				
Line Regulation ±(%of Output+Offset)	Voltage Current		≤0.01% ≤0.01%			≤0.01% ≤0.01%		
Setup Resolution	Voltage Current		10r 10r	10mV 10mA				
Readback Resolution	Voltage Current		10r 10r			10mV 10mA		
Setup Accuracy *1 (Within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage Current			≤0.05%+100mV ≤0.05%+100mV ≤0.2%+60mA ≤0.2%+120mA				
Readback Accuracy *2 (Within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage Current		≤0.05%- ≤0.2%-			≤0.05%- ≤0.2%+		
Ripple (20Hz-20MHz)	Voltage Current		≤200mVp-p ≤50mArms				nVp-p nArms	
Rise time (no load) *3	Voltage	≤15ms	≤100ms	≤15ms	≤100ms	≤15ms	≤100ms	
Fall time (full load) *3	Voltage	≤15ms ≤20ms ≤15ms ≤20ms				≤15ms	≤20ms	
Number of Power Dissipators	in Parallel	≤3	-	≤3	-	≤6	-	
Dimension (mm)			483mmW×105.4r	483mmW×194m	mH×640.8mmD			

Parameter		IT6514C	IT6514D	IT6524C	IT6524D	IT6534C	IT6534D	
	Voltage	0~360V	0~360V	0~360V	0~360V	0~360V	0~360V	
Output Rating (0°C~40°C)	Current	0~30A	0~30A	0~30A	0~30A	0~60A	0~60A	
(5 5 15 5)	Power	0~1800W	0~1800W	0~3000W	0~3000W	0~6kW	0~6kW	
Programmable output re	esistance	0~72Ω	-	0~43.2Ω	-	0~21.6Ω	-	
Load Regulation	Voltage		≤0.01%	+135mV		≤0.01%	+135mV	
±(%of Output+Offset)	Current		≤0.05%	+15mA		≤0.05%	5+30mA	
Line Regulation	Voltage		≤0.01%	+40mV		≤0.01%	+40mV	
±(%of Output+Offset)	Current		≤0.01%	%+5mA		≤0.01%	5+10mA	
Catus Decalution	Voltage		10	mV		10mV		
Setup Resolution	Current		10	10mA				
Readback Resolution	Voltage		10	10mV				
Readback Resolution	Current		10	mA	10mA			
Setup Accuracy *1	Voltage		≤0.05%		≤0.05%	+135mV		
(Within 12 months,25°C±5°C) ±(%of Output+Offset)	Current		≤0.2%+30mA ≤0.2%+60mA			+60mA		
Readback Accuracy *2	Voltage		≤0.05%	+135mV		≤0.05%	+135mV	
(Within 12 months,25°C±5°C) ±(%of Output+Offset)	Current		≤0.2%	+30mA		≤0.2%	+60mA	
Ripple	Voltage		≤360r	nVp-p		≤3601	nVp-p	
(20Hz-20MHz)	Current		≤0.05%+	≤0.05%+	60mArms			
Rise time (no load) *3	Voltage	≤50ms	≤250ms	≤50ms	≤250ms	≤50ms	≤250ms	
Fall time (full load) *3	Voltage	≤55ms	≤55ms ≤70ms ≤55ms ≤70ms				≤70ms	
Number of Power Dissipators	s in Parallel	≤3	-	≤3	-	≤6	-	
Dimension (mm))		483mmW×105.4r	mmH×640.8mmD		483mmW×194mmH×640.8mmD		

 ¹ Setup Accuracy refers to users use panel keys or communication commands to achieve setup accuracy; when using external analog programming, the programming accuracy is 1%
 2 Readback Accuracy refers to users use panel display or communication commands to achieve readback accuracy; when using external analog monitoring, the monitor accuracy is 1%
 3 Rise and Fall Time refers to the settling time of setup value from one value to another using the internal standard power dissipator in the ON state

Your Power Testing SolutionIT6500 Wide-range High-power DC Power Supply

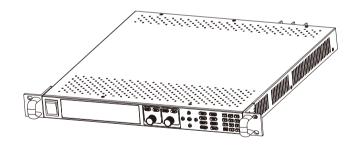
Parameter		IT6515C	IT6515D	IT6525C	IT6525D	IT6535C	IT6535D	
	Voltage	0~500V	0~500V	0~500V	0~500V	0~500V	0~500V	
Output Rating (0°C~40°C)	Current	0~20A	0~20A	0~20A	0~20A	0~40A	0~40A	
(0 0 40 0)	Power	0~1800W	0~1800W	0~3000W	0~3000W	0~6kW	0~6kW	
Programmable output re	esistance	0~138.88Ω	-	0~83.33Ω	-	0~41.66Ω	-	
Load Regulation	Voltage		≤0.01%·	+100mV		≤0.01%	+100mV	
±(%of Output+Offset)	Current		≤0.05%	+20mA		≤0.05%	5+40mA	
Line Regulation	Voltage		≤0.01%	+50mV		≤0.01%	5+50mV	
±(%of Output+Offset)	Current		≤0.01%	%+5mA		≤0.01%	5+10mA	
Setup Resolution	Voltage		100	mV		100mV		
Setup Resolution	Current		101	mA		10mA		
Readback Resolution	Voltage		100	mV		100mV		
Reauback Resolution	Current		10mA 10mA			mA		
Setup Accuracy *1 (Within 12 months,25°C±5°C)	Voltage		≤0.05%+200mV ≤0.05%+200mV			+200mV		
±(%of Output+Offset)	Current		≤0.2%	+20mA	≤0.2%+40mA			
Readback Accuracy *2 (Within 12 months,25°C±5°C)	Voltage		≤0.05%	+200mV		≤0.05%	+200mV	
±(%of Output+Offset)	Current		≤0.2%	+20mA		≤0.2%	+40mA	
Ripple	Voltage		≤500r	nVp-p		≤500r	mVp-p	
(20Hz-20MHz)	Current		≤40mArms				Arms	
Rise time (no load) *3	Voltage	≤40ms	≤40ms ≤200ms ≤40ms ≤200ms			≤40ms	≤200ms	
Fall time (full load) *3	Voltage	≤25ms	≤25ms ≤30ms ≤25ms ≤30ms				≤30ms	
Number of Power Dissipators	s in Parallel	≤3	-	≤3	-	≤6	-	
Dimension (mm)			483mmW×105.4r	mmH×640.8mmD		483mmW×194mmH×640.8mmD		

Parameter		IT6516C	IT6516D	IT6526C	IT6526D	IT6536C	IT6536D	
	Voltage	0~750V	0~750V	0~750V	0~750V	0~750V	0~750V	
Output Rating (0°C~40°C)	Current	0~15A	0~15A	0~15A	0~15A	0~30A	0~30A	
(0 0 40 0)	Power	0~1800W	0~1800W	0~3000W	0~3000W	0~6kW	0~6kW	
Programmable output re	esistance	0~312.5Ω	-	0~188Ω	-	0~93.75Ω	-	
Load Regulation	Voltage		≤0.01%	+200mV		≤0.01%	+200mV	
±(%of Output+Offset)	Current		≤0.05%	+15mA		≤0.05%	6+30mA	
Line Regulation	Voltage		≤0.01%	+75mV		≤0.01%	5+75mV	
±(%of Output+Offset)	Current		≤0.1%	+5mA		≤0.1%	+10mA	
Cotus Decelution	Voltage		100	mV		100mV		
Setup Resolution	Current		10	10mA				
Readback Resolution	Voltage		100	mV		100mV		
Reduback Resolution	Current		10mA 10mA			mA		
Setup Accuracy *1	Voltage		≤0.05%+300mV ≤0.05%+300mV			+300mV		
(Within 12 months,25 °C±5°C) ±(%of Output+Offset)	Current		≤0.2%	+15mA		≤0.2%+30mA		
Readback Accuracy *2	Voltage		≤0.05%·	+300mV		≤0.05%	+300mV	
(Within 12 months,25°C±5°C) ±(%of Output+Offset)	Current		≤0.2%	+15mA		≤0.2%	+30mA	
Ripple	Voltage		≤750r	nVp-p		≤750ı	mVp-p	
(20Hz-20MHz)	Current		≤30m	Arms		≤60m	nArms	
Rise time (no load) *3	Voltage	≤50ms	≤50ms ≤250ms ≤250ms			≤50ms	≤250ms	
Fall time (full load) *3	Voltage	≤20ms	≤20ms ≤20ms ≤20ms			≤20ms	≤20ms	
Number of Power Dissipators	s in Parallel	≤3	-	≤3	-	≤6	-	
Dimension (mm))		483mmW×105.4r	mmH×640.8mmD		483mmW×194mmH×640.8mmD		

IT6500 Wide-range High-power DC Power Supply

Parameter		IT6517C	IT6517D	IT6527C	IT6527D	IT6537C	IT6537D	
Output Rating (0°C~40°C)	Voltage Current Power	0~1000V 0~10A 0~1800W	0~1000V 0~10A 0~1800W	0~1000V 0~10A 0~3000W	0~1000V 0~10A 0~3000W	0~1000V 0~20A 0~6kW	0~1000V 0~20A 0~6kW	
Programmable output re	esistance	0~555.555Ω	-	0~333.333Ω	-	0~166.666Ω	-	
Load Regulation ±(%of Output+Offset)	Voltage Current		≤0.01%· ≤0.05%			≤0.01% ≤0.05%		
Line Regulation ±(%of Output+Offset)	Voltage Current		≤0.01%· ≤0.01%			≤0.01% ≤0.01%		
Setup Resolution	Voltage Current	100mV 100m 1mA 1mA						
Readback Resolution	Voltage Current		100 1n		100mV 1mA			
Setup Accuracy *1 (Within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage Current		≤0.05%- ≤0.2%-					
Readback Accuracy *2 (Within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage Current		≤0.05%· ≤0.2%·			≤0.05% ≤0.2%		
Ripple (20Hz-20MHz)	Voltage Current		≤1Vp-p ≤0.05%+10mArms				/p-p 20mArms	
Rise time (no load) *3	Voltage	≤70ms	≤300ms	≤70ms	≤300ms	≤70ms	≤300ms	
Fall time (full load) *3	Voltage	≤30ms ≤30ms ≤30ms				≤30ms	≤30ms	
Number of Power Dissipators	in Parallel	≤3	-	≤3	-	≤6	-	
Dimension (mm)			483mmW×105.4r	483mmW×194m	mH×640.8mmD			

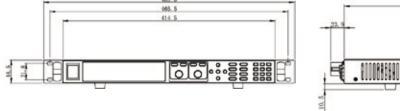
IT6512 / IT6513 / IT6512A / IT6513A / IT6502D Model

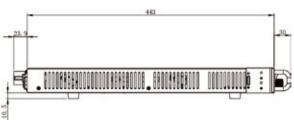


Machine size

Width: 414.5mm Height: 44.5mm Depth: 500mm

Detailed Dimention





^{*1} Setup Accuracy refers to users use panel keys or communication commands to achieve setup accuracy; when using external analog programming, the programming accuracy is 1%
*2 Readback Accuracy refers to users use panel display or communication commands to achieve readback accuracy; when using external analog monitoring, the monitor accuracy is 1%

^{*3} Rise and Fall Time refers to the settling time of setup value from one value to another using the internal standard power dissipator in the ON state



This information is subject to change without notice. For more information, please contact ITECH.

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