

LXinstruments GmbH
Rudolf-Diesel-Str. 36
71154 Nufringen
Germany



TECHNICAL PRODUCT INFORMATION

Test & measurement instruments

- high - quality
- moderate prices
- excellent precision

Your contact:

Technical support, services, demo & rental equipment, price information
& quotes, consulting:

Tel.: +49(0)7032 / 895 93-3

Mail: sales@lxinstruments.com

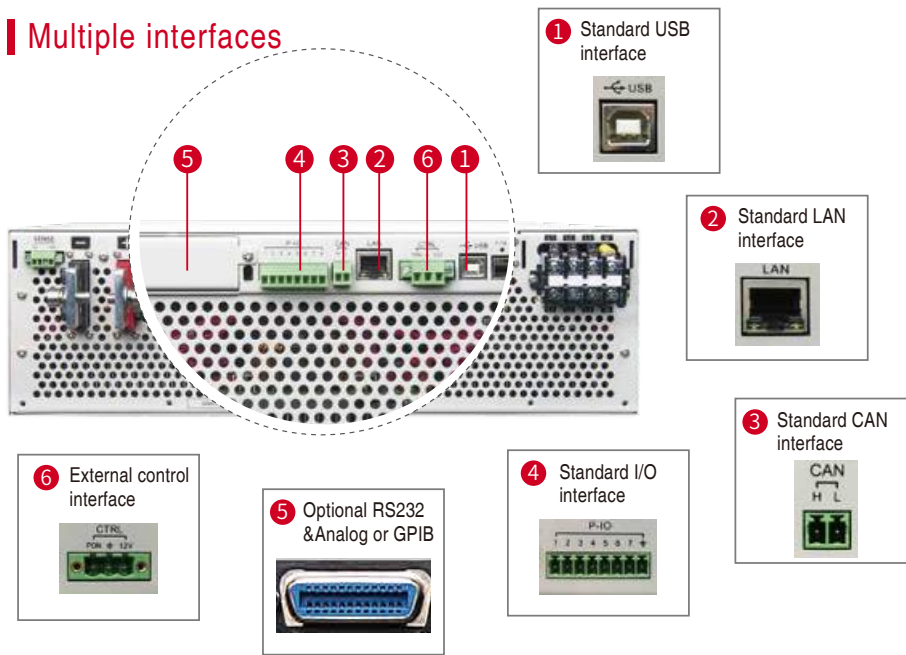
Web: www.lxinstruments.com

Shop: www.lxinstruments.com/shop

Your Power Testing Solution

IT6000B Regenerative Power System

Multiple interfaces



Category	Model	Specification	Description
Accessories for parallel connection	IT-E510-15U *	15U unit, grey	800mm X 550mm X907.64mm
	IT-E511-15U *	15U unit, black	800mm X 550mm X907.64mm
	IT-E510-27U *	27U unit, grey	800mm X 600mmX 1441.41mm
	IT-E511-27U *	27U unit, black	800mm X 600mmX 1441.41mm
	IT-E510-37U *	37U unit, grey	800mm X 600mm X 1885.91mm
	IT-E511-37U *	37U unit, black	800mm X 600mm X 1885.91mm
	IT-E168	optical fiber kit for parallel connection	for parallel communication between single units
	IT-E169	Optical fiber kit for parallel connection	for parallel communication between cabinets
Anti-reverse protection unit	IT-E165A-250	750V/250A	Reverse polarity protection
	IT-E165A-400	750V/400A	Reverse polarity protection
	IT-E165A-500	900V/400A	Reverse polarity protection
	IT-E165B	Anti electromotive force protection unit	Avoid current back flow
Other accessories	IT-E258-15U IT-E258E-15U IT-E258U-15U	5m power cord for 15U unit	Applied for Europe (-E) or United States (-U) or other area
	IT-E258-27U IT-E258E-27U IT-E258U-27U	5m power cord for 27U unit	Applied for Europe (-E) or United States (-U) or other area
	IT-E258-37U IT-E258E-37U IT-E258U-37U	5m power cord for 37U unit	Applied for Europe (-E) or United States (-U) or other area
	IT-E176-grey	GPIB communication card	
	IT-E177-grey	RS232 & analog interface card	
Test software	BSS2000	Battery simulation software	Basic BSS2000/ Advanced BSS2000 Pro/Multi-channel BSS2000M
	SAS1000	Solar array simulation software	SAS1000L (<15kW) / SAS1000 / Multi-channel SAS1000M
	FCS3000	Fuel cell simulation software	FCS3000

* Contact us for details

Your Power Testing Solution

IT6000B Regenerative Power System

Specification

		IT6005B-80-150	IT6010B-80-300
		Power Supply Parameters	Power Supply Parameters
Rated Value Range (0 ℃-50 ℃)	Output Voltage	0 ~ 80V	0 ~ 80V
	Output Current	-150 ~ 150A	-300 ~ 300A
	Output Power	-5000 ~ 5000W	-10000 ~ 10000W
	Output Resistance	0 ~ 0.533Ω	0 ~ 0.267Ω
Line Regulation ±(% of Offset)	Voltage	≤ 0.01%FS	≤ 0.01%FS
	Current	≤ 0.05%FS	≤ 0.05%FS
Load Regulation ±(% of Offset)	Voltage	≤ 0.02%FS	≤ 0.02%FS
	Current	≤ 0.05%FS	≤ 0.05%FS
Readback Resolution	Voltage	0.001V	0.001V
	Current	0.01A	0.01A
	Power	0.001kW	0.001kW
	Resistance	0.001Ω	0.001Ω
Readback Accuracy (Within 12 months-25 ℃±5 ℃) ±(% of Output+Offset)	Voltage	≤ 0.02%+0.02%FS	≤ 0.02% +0.02%FS
	Current	≤ 0.1%+0.1%FS	≤ 0.1% + 0.1%FS
	Power	≤ 0.5%+0.5%FS	≤ 0.5% + 0.5%FS
	Resistance	≤ 1% + 1%FS	≤ 1% + 1%FS
Ripple (20Hz ~20MHz)	Voltage	≤ 120mVpp(MAX: ≤200mVpp)	≤ 120mVpp(MAX: ≤200mVpp)
	Current	≤ 0.1%FS RMS	≤ 0.1%FS RMS
Rise time (no load)	Voltage	≤ 15ms	≤ 15ms
Rise time(full load)	Voltage	≤ 30ms	≤ 30ms
Fall time (no load)	Voltage	≤ 30ms	≤ 30ms
Fall time (full load)	Voltage	≤ 15ms	≤ 15ms
Transient Response Time	Voltage	≤ 2ms	≤ 2ms
Efficiency		~ 90%	~ 90%
		Load Parameters	Load Parameters
Rated Value Range (0 ℃-50 ℃)	Input Voltage	0 ~ 80V	0 ~ 80V
	Input Current	0 ~ 150A	0 ~ 300A
	Input Power	0 ~ 5000W	0 ~ 10000W
	Input Resistance	0.001 ~ 1067Ω	0.01 ~ 333Ω
	Min operating voltage	0.45V at 150A	0.45V at 300A
Readback Resolution	Voltage	0.001V	0.001V
	Current	0.01A	0.01A
	Power	0.001kW	0.001kW
	Resistance	0.001Ω	0.001Ω
Readback Accuracy (Within 12 months-25 ℃±5 ℃) ±(% of Output+Offset)	Voltage	≤ 0.02% + 0.02%FS	≤ 0.02% + 0.02%FS
	Current	≤ 0.1% + 0.1%FS	≤ 0.1% + 0.1%FS
	Power	≤ 0.5% + 0.5%FS	≤ 0.5% + 0.5%FS
	Resistance	≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;	≤ 1% + 1%FS
Transient Response Time	Rise Speed Rate	150A/ms	300A/ms
	Fall Speed Rate	150A/ms	300A/ms
	Dynamic Frequency	500Hz	500Hz
	Minimum Rise Time	≤ 1ms	≤ 1ms
Output Parameter	Output Voltage Range	198V ~ 264V (Decrease 50%) 342V ~ 528V {3PH + PE (no neutral)}	198V ~ 264V (Decrease 50%) 342V ~ 528V {3PH + PE (no neutral)}
	Output Frequency Range	47Hz ~ 63Hz	47Hz ~ 63Hz
	Max. Output Current	L1,L2/17A;L3/0A	L1,L2/17A;L3/29A
	Power Factor	≥ 0.99	≥ 0.99
	Island Protection	Active Anti-islanding Protection	Active Anti-islanding Protection
Efficiency		~ 90%	~ 90%
Dimension (mm)		483W*801.61D*151.3H	483W*801.61D*151.3H
Net weight		20KG	30KG

* This information is subject to change without notice

Your Power Testing Solution

IT6000B Regenerative Power System

Specification

		IT6015B-80-450	IT6006B-300-75
		Power Supply Parameters	Power Supply Parameters
Rated Value Range (0 ℃-50 ℃)	Output Voltage	0 ~ 80V	0 ~ 300V
	Output Current	-450 ~ 450A	-75 ~ 75A
	Output Power	-15000 ~ 15000W	-6000 ~ 6000W
	Output Resistance	0 ~ 0.178Ω	0 ~ 1Ω
Line Regulation ±(% of Offset)	Voltage	≤ 0.01%FS	≤ 0.01%FS
	Current	≤ 0.05%FS	≤ 0.05%FS
Load Regulation ±(% of Offset)	Voltage	≤ 0.02%FS	≤ 0.02%FS
	Current	≤ 0.05%FS	≤ 0.05%FS
Readback Resolution	Voltage	0.001V	0.01V
	Current	0.01A	0.01A
	Power	0.001kW	0.001kW
	Resistance	0.001Ω	0.01Ω
Readback Accuracy (Within 12 months-25 ℃±5 ℃) ±(% of Output+Offset)	Voltage	≤ 0.02% + 0.02%FS	≤ 0.02% + 0.02%FS
	Current	≤ 0.1% + 0.1%FS	≤ 0.1% + 0.1%FS
	Power	≤ 0.5% + 0.5%FS	≤ 0.5% + 0.5%FS
	Resistance	≤ 1% + 1%FS	≤ 1% + 1%FS
Ripple (20Hz ~20MHz)	Voltage	≤ 120mVpp(MAX: ≤ 200mVpp)	≤ 120mVpp(MAX: ≤ 600mVpp)
	Current	≤ 0.1%FS RMS	≤ 0.1%FS RMS
Rise time (no load)	Voltage	≤ 15ms	≤ 15ms
Rise time(full load)	Voltage	≤ 30ms	≤ 30ms
Fall time (no load)	Voltage	≤ 30ms	≤ 30ms
Fall time (full load)	Voltage	≤ 15ms	≤ 15ms
Transient Response Time	Voltage	≤ 2ms	≤ 2ms
Efficiency		~ 90%	~ 92%
		Load Parameters	Load Parameters
Rated Value Range (0 ℃-50 ℃)	Input Voltage	0 ~ 80V	0 ~ 300V
	Input Current	0 ~ 450A	0 ~ 75A
	Input Power	0 ~ 15000W	0 ~ 6000W
	Input Resistance	0.001 ~ 356Ω	0.001 ~ 7500Ω
	Min operating voltage	0.45V at 450A	1.6V at 75A
Readback Resolution	Voltage	0.001V	0.01V
	Current	0.01A	0.01A
	Power	0.001kW	0.001kW
	Resistance	0.0001Ω	0.01Ω
Readback Accuracy (Within 12 months-25 ℃±5 ℃) ±(% of Output+Offset)	Voltage	≤ 0.02% + 0.02%FS	≤ 0.02% + 0.02%FS
	Current	≤ 0.1% + 0.1%FS	≤ 0.1% + 0.1%FS
	Power	≤ 0.5% + 0.5%FS	≤ 0.5% + 0.5%FS
	Resistance	≤ 1% + 1%FS	≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;
Transient Response Time	Rise Speed Rate	450A/ms	75A/ms
	Fall Speed Rate	450A/ms	75A/ms
	Dynamic Frequency	500Hz	500Hz
	Minimum Rise Time	≤ 1ms	≤ 1ms
Output Parameter	Output Voltage Range	198V ~ 264V (Decrease 50%) 342V ~ 528V {3PH + PE (no neutral)}	198V ~ 264V (Decrease 50%) 342V ~ 528V {3PH + PE (no neutral)}
	Output Frequency Range	47Hz ~ 63Hz	47Hz ~ 63Hz
	Max. Output Current	L1,L2/17A;L3/29A	L1,L2/20A;L3/0A
	Power Factor	≥ 0.99	≥ 0.99
	Island Protection	Active Anti-islanding Protection	Active Anti-islanding Protection
Efficiency		~ 90%	~ 92%
Dimension (mm)		483W*801.61D*151.3H	483W*801.61D*151.3H
Net weight		40KG	20KG

* This information is subject to change without notice

Your Power Testing Solution

IT6000B Regenerative Power System

Specification

		IT6012B-300-150	IT6018B-300-225
		Power Supply Parameters	Power Supply Parameters
Rated Value Range (0℃~50℃)	Output Voltage	0~300V	0~300V
	Output Current	-150~150A	-225~225A
	Output Power	-12000~12000W	-18000~18000W
	Output Resistance	0~1Ω	0~1Ω
Line Regulation ±(% of Offset)	Voltage	≤0.01%FS	≤0.01%FS
	Current	≤0.05%FS	≤0.05%FS
Load Regulation ±(% of Offset)	Voltage	≤0.02%FS	≤0.02%FS
	Current	≤0.05%FS	≤0.05%FS
Readback Resolution	Voltage	0.01V	0.01V
	Current	0.01A	0.01A
	Power	0.001kW	0.001kW
	Resistance	0.001Ω	0.001Ω
Readback Accuracy (Within 12 months, 25℃±5℃) ±(% of Output+Offset)	Voltage	≤0.02% + 0.02%FS	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS	≤1% + 1%FS
Ripple (20Hz~20MHz)	Voltage	≤120mVpp(MAX: ≤600mVpp)	≤120mVpp(MAX: ≤300mVpp)
	Current	≤0.1%FS RMS	≤0.1%FS RMS
Rise time (no load)	Voltage	≤15ms	≤15ms
Rise time(full load)	Voltage	≤30ms	≤30ms
Fall time (no load)	Voltage	≤30ms	≤30ms
Fall time (full load)	Voltage	≤15ms	≤15ms
Transient Response Time	Voltage	≤2ms	≤2ms
Efficiency		~92%	~92%
		Load Parameters	Load Parameters
Rated Value Range (0℃~50℃)	Input Voltage	0~300V	0~300V
	Input Current	0~150A	0~225A
	Input Power	0~12000W	0~18000W
	Input Resistance	0.001~4000Ω	0.001~2667Ω
	Min operating voltage	1.6V at 150A	1.6V at 225A
Readback Resolution	Voltage	0.01V	0.01V
	Current	0.01A	0.01A
	Power	0.001kW	0.001kW
	Resistance	0.001Ω	0.001Ω
Readback Accuracy (Within 12 months, 25℃±5℃) ±(% of Output+Offset)	Voltage	≤0.02% + 0.02%FS	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax, 0~10%Rmax; ≤5%Rmax, 10%~Rmax;	≤2%Rmax, 0~10%Rmax; ≤5%Rmax, 10%~Rmax;
Transient Response Time	Rise Speed Rate	150A/ms	225A/ms
	Fall Speed Rate	150A/ms	225A/ms
	Dynamic Frequency	500Hz	500Hz
	Minimum Rise Time	≤1ms	≤1ms
Output Parameter	Output Voltage Range	198V~264V (Decrease 50%) 342V~528V {3PH + PE (no neutral)}	198V~264V (Decrease 50%) 342V~528V {3PH + PE (no neutral)}
	Output Frequency Range	47Hz~63Hz	47Hz~63Hz
	Max. Output Current	L1, L2/20A; L3/34A	28A
	Power Factor	≥0.99	≥0.99
	Island Protection	Active Anti-islanding Protection	Active Anti-islanding Protection
Efficiency		~92%	~92%
Dimension (mm)		483W*801.61D*151.3H	483W*801.61D*151.3H
Net weight		30KG	40KG

* This information is subject to change without notice

Your Power Testing Solution

IT6000B Regenerative Power System

Specification

		IT6006B-500-40	IT6012B-500-80
		Power Supply Parameters	Power Supply Parameters
Rated Value Range (0℃~50℃)	Output Voltage	0~500V	0~500V
	Output Current	-40~40A	-80~80A
	Output Power	-6000~6000W	-12000~12000W
	Output Resistance	0~1Ω	0~1Ω
Line Regulation ±(% of Offset)	Voltage	≤0.01%FS	≤0.01%FS
	Current	≤0.05%FS	≤0.05%FS
Load Regulation ±(% of Offset)	Voltage	≤0.02%FS	≤0.02%FS
	Current	≤0.05%FS	≤0.05%FS
Readback Resolution	Voltage	0.01V	0.01V
	Current	0.001A	0.01A
	Power	0.001kW	0.001kW
	Resistance	0.01Ω	0.01Ω
Readback Accuracy (Within 12 months, 25℃±5℃) ±(% of Output+Offset)	Voltage	≤0.02% + 0.02%FS	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS	≤1% + 1%FS
Ripple (20Hz~20MHz)	Voltage	≤200mVpp(MAX: ≤500mVpp)	≤200mVpp(MAX: ≤500mVpp)
	Current	≤0.1%FS RMS	≤0.1%FS RMS
Rise time (no load)	Voltage	≤15ms	≤15ms
Rise time(full load)	Voltage	≤30ms	≤30ms
Fall time (no load)	Voltage	≤30ms	≤30ms
Fall time (full load)	Voltage	≤15ms	≤15ms
Transient Response Time	Voltage	≤2ms	≤2ms
Efficiency		~92%	~92%
		Load Parameters	Load Parameters
Rated Value Range (0℃~50℃)	Input Voltage	0~500V	0~500V
	Input Current	0~40A	0~80A
	Input Power	0~6000W	0~12000W
	Input Resistance	0.001~7500Ω	0.001~7500Ω
	Min operating voltage	2.4V at 40A	2.4V at 80A
Readback Resolution	Voltage	0.01V	0.01V
	Current	0.001A	0.01A
	Power	0.001kW	0.001kW
	Resistance	0.01Ω	0.01Ω
Readback Accuracy (Within 12 months, 25℃±5℃) ±(% of Output+Offset)	Voltage	≤0.02% + 0.02%FS	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax, 0~10%Rmax; ≤5%Rmax, 10%~Rmax;	≤2%Rmax, 0~10%Rmax; ≤5%Rmax, 10%~Rmax;
Transient Response Time	Rise Speed Rate	40A/ms	80A/ms
	Fall Speed Rate	40A/ms	80A/ms
	Dynamic Frequency	500Hz	500Hz
	Minimum Rise Time	≤1ms	≤1ms
Output Parameter	Output Voltage Range	198V~264V (Decrease 50%) 342V~528V {3PH + PE (no neutral)}	198V~264V (Decrease 50%) 342V~528V {3PH + PE (no neutral)}
	Output Frequency Range	47Hz~63Hz	47Hz~63Hz
	Max. Output Current	L1,L2/20A;L3/0A	L1,L2/20A;L3/34A
	Power Factor	≥0.99	≥0.99
	Island Protection	Active Anti-islanding Protection	Active Anti-islanding Protection
Efficiency		~92%	~92%
Dimension (mm)		483W*801.61D*151.3H	483W*801.61D*151.3H
Net weight		20KG	30KG

* This information is subject to change without notice

Your Power Testing Solution

IT6000B Regenerative Power System

Specification

		IT6018B-500-120	IT6006B-800-25
		Power Supply Parameters	Power Supply Parameters
Rated Value Range (0℃~50℃)	Output Voltage	0~500V	0~800V
	Output Current	-120~120A	-25~25A
	Output Power	-18000~18000W	-6000~6000W
	Output Resistance	0~1Ω	0~1Ω
Line Regulation ±(% of Offset)	Voltage	≤0.01%FS	≤0.01%FS
	Current	≤0.05%FS	≤0.05%FS
Load Regulation ±(% of Offset)	Voltage	≤0.02%FS	≤0.02%FS
	Current	≤0.05%FS	≤0.05%FS
Readback Resolution	Voltage	0.01V	0.01V
	Current	0.01A	0.001A
	Power	0.001kW	0.001kW
	Resistance	0.01Ω	0.1Ω
Readback Accuracy (Within 12 months, 25℃±5℃) ±(% of Output+Offset)	Voltage	≤0.02% + 0.02%FS	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS	≤1% + 1%FS
Ripple (20Hz~20MHz)	Voltage	≤200mVpp(MAX: ≤500mVpp)	≤800mVpp(MAX: ≤1.2Vpp)
	Current	≤0.1%FS RMS	≤0.1%FS RMS
Rise time (no load)	Voltage	≤15ms	≤15ms
Rise time(full load)	Voltage	≤30ms	≤30ms
Fall time (no load)	Voltage	≤30ms	≤30ms
Fall time (full load)	Voltage	≤15ms	≤15ms
Transient Response Time	Voltage	≤2ms	≤2ms
Efficiency		~92%	~92%
		Load Parameters	Load Parameters
Rated Value Range (0℃~50℃)	Input Voltage	0~500V	0~800V
	Input Current	0~120A	0~25A
	Input Power	0~18000W	0~6000W
	Input Resistance	0.001~7500Ω	0.001~7500Ω
	Min operating voltage	2.4V at 120A	2.1V at 25A
Readback Resolution	Voltage	0.01V	0.01V
	Current	0.01A	0.001A
	Power	0.001kW	0.001kW
	Resistance	0.01Ω	0.1Ω
Readback Accuracy (Within 12 months, 25℃±5℃) ±(% of Output+Offset)	Voltage	≤0.02% + 0.02%FS	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax, 0~10%Rmax; ≤5%Rmax, 10%~Rmax;	≤2%Rmax, 0~10%Rmax; ≤5%Rmax, 10%~Rmax;
Transient Response Time	Rise Speed Rate	120A/ms	25A/ms
	Fall Speed Rate	120A/ms	25A/ms
	Dynamic Frequency	500Hz	500Hz
	Minimum Rise Time	≤1ms	≤1ms
Output Parameter	Output Voltage Range	198V~264V (Decrease 50%) 342V~528V {3PH + PE (no neutral)}	198V~264V (Decrease 50%) 342V~528V {3PH + PE (no neutral)}
	Output Frequency Range	47Hz~63Hz	47Hz~63Hz
	Max. Output Current	28A	L1, L2/20A; L3/0A
	Power Factor	≥0.99	≥0.99
	Island Protection	Active Anti-islanding Protection	Active Anti-islanding Protection
Efficiency		~92%	~92%
Dimension (mm)		483W*801.61D*151.3H	483W*801.61D*151.3H
Net weight		40KG	20KG

* This information is subject to change without notice

Your Power Testing Solution

IT6000B Regenerative Power System

Specification

		IT6012B-800-50	IT6018B-800-75
		Power Supply Parameters	Power Supply Parameters
Rated Value Range (0℃~50℃)	Output Voltage	0~800V	0~800V
	Output Current	-50~50A	-75~75A
	Output Power	-12000~12000W	-18000~18000W
	Output Resistance	0~1Ω	0~1Ω
Line Regulation ±(% of Offset)	Voltage	≤0.01%FS	≤0.01%FS
	Current	≤0.05%FS	≤0.05%FS
Load Regulation ±(% of Offset)	Voltage	≤0.02%FS	≤0.02%FS
	Current	≤0.05%FS	≤0.05%FS
Readback Resolution	Voltage	0.01V	0.01V
	Current	0.01A	0.01A
	Power	0.001kW	0.001kW
	Resistance	0.01Ω	0.01Ω
Readback Accuracy (Within 12 months, 25℃±5℃) ±(% of Output+Offset)	Voltage	≤0.02% + 0.02%FS	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS	≤1% + 1%FS
Ripple (20Hz~20MHz)	Voltage	≤800mVpp(MAX: ≤1.2Vpp)	≤320mVpp(MAX: ≤800mVpp)
	Current	≤0.1%FS RMS	≤0.1%FS RMS
Rise time (no load)	Voltage	≤15ms	≤15ms
Rise time(full load)	Voltage	≤30ms	≤30ms
Fall time (no load)	Voltage	≤30ms	≤30ms
Fall time (full load)	Voltage	≤15ms	≤15ms
Transient Response Time	Voltage	≤2ms	≤2ms
Efficiency		~92%	~92%
		Load Parameters	Load Parameters
Rated Value Range (0℃~50℃)	Input Voltage	0~800V	0~800V
	Input Current	0~50A	0~75A
	Input Power	0~12000W	0~18000W
	Input Resistance	0.001~7500Ω	0.001~7500Ω
	Min operating voltage	2.1V at 50A	2.1V at 75A
Readback Resolution	Voltage	0.01V	0.01V
	Current	0.01A	0.01A
	Power	0.001kW	0.001kW
	Resistance	0.01Ω	0.01Ω
Readback Accuracy (Within 12 months, 25℃±5℃) ±(% of Output+Offset)	Voltage	≤0.02% + 0.02%FS	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax, 0~10%Rmax; ≤5%Rmax, 10%~Rmax;	≤2%Rmax, 0~10%Rmax; ≤5%Rmax, 10%~Rmax;
Transient Response Time	Rise Speed Rate	50A/ms	75A/ms
	Fall Speed Rate	50A/ms	75A/ms
	Dynamic Frequency	500Hz	500Hz
	Minimum Rise Time	≤1ms	≤1ms
Output Parameter	Output Voltage Range	198V~264V (Decrease 50%) 342V~528V {3PH + PE (no neutral)}	198V~264V (Decrease 50%) 342V~528V {3PH + PE (no neutral)}
	Output Frequency Range	47Hz~63Hz	47Hz~63Hz
	Max. Output Current	L1,L2/20A; L3/34A	28A
	Power Factor	≥0.99	≥0.99
	Island Protection	Active Anti-islanding Protection	Active Anti-islanding Protection
Efficiency		~92%	~92%
Dimension (mm)		483W*801.61D*151.3H	483W*801.61D*151.3H
Net weight		30KG	40KG

* This information is subject to change without notice

Your Power Testing Solution

IT6000B Regenerative Power System

Specification

		IT6018B-1500-40	IT6018B-2250-25
		Power Supply Parameters	Power Supply Parameters
Rated Value Range (0℃~50℃)	Output Voltage	0~1500V	0~2250V
	Output Current	-40~40A	-25~25A
	Output Power	-18000~18000W	-18000~18000W
	Output Resistance	0~1Ω	0~1Ω
Line Regulation ±(% of Offset)	Voltage	≤0.01%FS	≤0.01%FS
	Current	≤0.05%FS	≤0.05%FS
Load Regulation ±(% of Offset)	Voltage	≤0.02%FS	≤0.02%FS
	Current	≤0.05%FS	≤0.05%FS
Readback Resolution	Voltage	0.1V	0.1V
	Current	0.001A	0.001A
	Power	0.001kW	0.001kW
	Resistance	0.1Ω	0.1Ω
Readback Accuracy (Within 12 months, 25℃±5℃) ±(% of Output+Offset)	Voltage	≤0.02% + 0.02%FS	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS	≤1% + 1%FS
Ripple (20Hz~20MHz)	Voltage	≤600mVpp(MAX: ≤1500mVpp)	≤900mVpp(MAX: ≤2250mVpp)
	Current	≤0.1%FS RMS	≤0.1%FS RMS
Rise time (no load)	Voltage	≤15ms	≤15ms
Rise time(full load)	Voltage	≤30ms	≤30ms
Fall time (no load)	Voltage	≤30ms	≤30ms
Fall time (full load)	Voltage	≤15ms	≤15ms
Transient Response Time	Voltage	≤2ms	≤2ms
Efficiency		~92%	~92%
		Load Parameters	Load Parameters
Rated Value Range (0℃~50℃)	Input Voltage	0~1500V	0~2250V
	Input Current	0~40A	0~25A
	Input Power	0~18000W	0~18000W
	Input Resistance	0.001~7500Ω	0.001~7500Ω
	Min operating voltage	7.2V at 40A	6.25V at 25A
Readback Resolution	Voltage	0.1V	0.1V
	Current	0.001A	0.001A
	Power	0.001kW	0.001kW
	Resistance	0.1Ω	0.1Ω
Readback Accuracy (Within 12 months, 25℃±5℃) ±(% of Output+Offset)	Voltage	≤0.02% + 0.02%FS	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax, 0~10%Rmax; ≤5%Rmax, 10%~Rmax;	≤2%Rmax, 0~10%Rmax; ≤5%Rmax, 10%~Rmax;
Transient Response Time	Rise Speed Rate	40A/ms	25A/ms
	Fall Speed Rate	40A/ms	25A/ms
	Dynamic Frequency	500Hz	500Hz
	Minimum Rise Time	≤1ms	≤1ms
Output Parameter	Output Voltage Range	198V~264V (Decrease 50%) 342V~528V {3PH + PE (no neutral)}	198V~264V (Decrease 50%) 342V~528V {3PH + PE (no neutral)}
	Output Frequency Range	47Hz~63Hz	47Hz~63Hz
	Max. Output Current	28A	28A
	Power Factor	≥0.99	≥0.99
	Island Protection	Active Anti-islanding Protection	Active Anti-islanding Protection
Efficiency		~92%	~92%
Dimension (mm)		483W*801.61D*151.3H	483W*801.61D*151.3H
Net weight		40KG	40KG

* This information is subject to change without notice