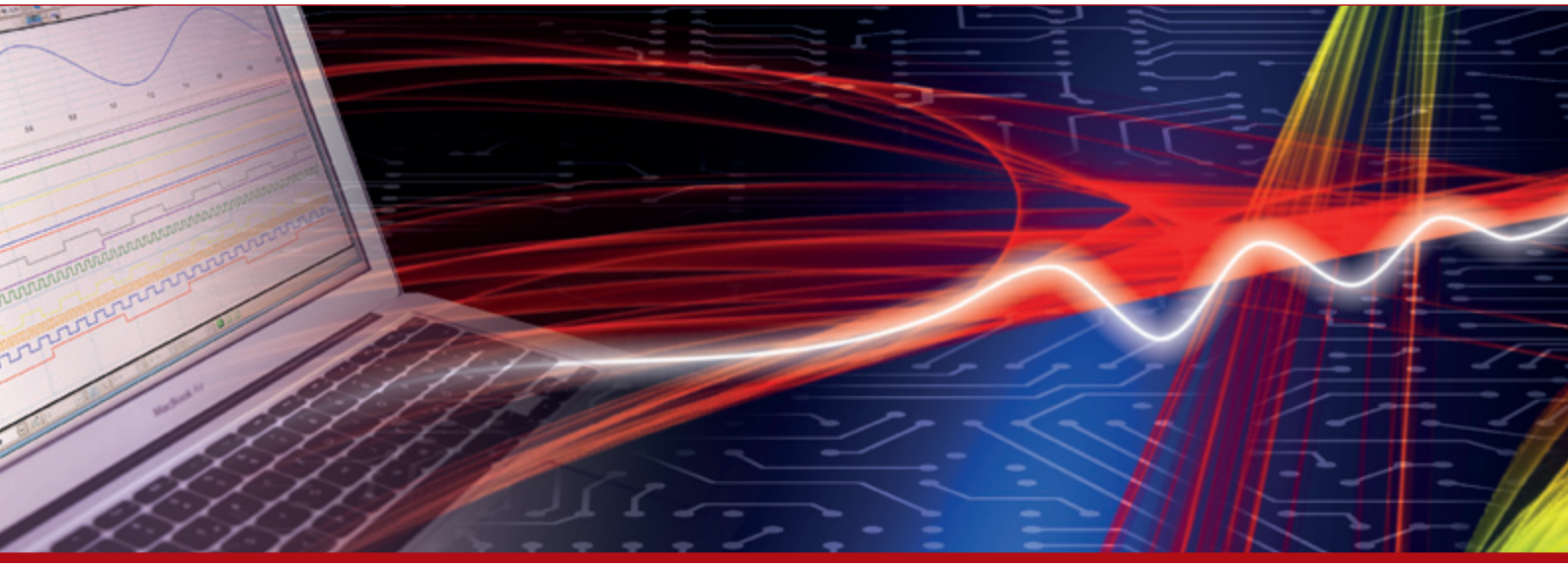
Product Datasheet - Technical Specifications



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IT-N2131

Parameter	IT-N2131		
Rated values	Voltage	0 - 80V	Voc 95V
	Current	0 - 25A	
	Power	0 - 1500W	1500W-220ac; 850W-110ac
	Resistance	0 - 9.999Ω	
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+2mV	Sense mode
	Current	≤0.01%+1.5mA	
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+2mV	Sense mode
	Current	≤0.01%+1mA	
Setup resolution	Voltage	10mV	
	Current	1mA	
	Power	/	
	Resistance	/	
Readback resolution	Voltage	1mV	
	Current	1mA	
	Power	/	
Setup accuracy	Voltage	≤0.03%+20mV	
	Current	≤0.05%+10mA	
	Power	/	
	Resistance	/	
Readback accuracy	Voltage	≤0.03%+15mV	
	Current	≤0.05%+8mA	
	Power	/	
Ripple (20hz-20Mhz)	Voltage	≤300mVp-p/≤40mVrms	
Ripple (20hz-300Khz)	Voltage RMS	40mVrms	
	Current RMS	≤10mArms	40mAp-p
Setup Temp.coefficient (%of Output+Offset)/℃	Voltage	≤0.003%+1mV	
	Current	≤0.015%+0.27mA	
Readback Temp.coefficient (%of Output+Offset)/℃	Voltage	≤0.002%+0.8mV	
	Current	≤0.012%+0.27mA	
Rise time(No-load)	Voltage	≤20ms	The voltage rise and fall time refers to the change of

			the set value, the set value is 1%-100% or 100%-1%
Rise time(Full-load)	Voltage	≤20ms	The current rise and fall time refers to the change of the set value, set value 1%-100% or 100%-1%
Fall time(No-load)	Voltage	≤20ms	Current rise time ≤50us 10%-90%
Fall time(Full-load)	Voltage	≤20ms	Current drop time ≤50us 10%-90%
Transient response time	Voltage	400us	50%-100% load recovery to 100mV
AC input	Voltage	220V/110V	
	Frequency	50/60Hz	
Setup stability -30min (%of Output +Offset)	Voltage	≤0.01%+1mV	
	Current	≤0.02%+1.5mA	
Setup stability -8h (%of Output +Offset)	Voltage	≤0.015%+1.2mV	
	Current	≤0.02%+2mA	
Readback stability -30min (%of Output +Offset)	Voltage	≤0.01%+1mV	
	Current	≤0.02%+1.5mA	
Readback stability -8h (%of Output +Offset)	Voltage	≤0.015%+1.2mV	
	Current	≤0.02%+2mA	
Efficiency		60% (Typical)	
Remote Sense Compensation		≤2V	
Command Response		≤15ms	
Power Factor		≥0.98	
Maximum input current		11A	
Maximum input apparent power		2100VA	
Storage temperature		-10℃ - 70℃	
Protective function		OVP/OCP	
Communication Interface		LAN/USB	
Isolation (output to ground)		1500Vdc	
Isolation (input to ground)		1500Vac	
Working temperature		0 - 40℃	

Fuse Specifications	T15A	The fuse is inside the power supply
Number of parallel machines	Not Support	
Number of machines in series	No limit	**The output terminal common mode voltage does not exceed 1500VDC**
Protection class	IP20	
Safety Regulation	IEC 61010	
Cooling Style	Fans	
Dimension (Removal handle, etc., assembly dimensions)	450 mm (D) x 214 mm (W) x 88.2 mm(H)	
Dimension(Overall)	529.5 mm (D) x 255 mm (W) x 108.2 mm(H)	
Weight (net weight)	9kg	

	Parameter		Remark
IO	Voltage input range of IO ports	0~5V	
	IO input pin source and sink IMAX	47mA	
	Voltage output range of IO ports	0~5V	
	IO output pin source and sink IMAX	0.45mA	
	IO port response time	10ms	Minimum action time, from given signal to trigger action
	IO port to output DC	<15V	The damage is short circuit, the maximum current is 1A
LIST	LIST bandwidth	-	
	Voltage/Current Step Resolution	1mV 1mA	
	Signal rise and fall time range	1mS~3600S	The actual effect refers to the rise/fall time of the specification, here is the range of setting items
	Maximum number of steps	100	
	Maximum number of files	20	
	Number of GROUP	-	No group function
	Time accuracy	≤10ms/Step	

METER	Sampling Rate	1kHz±1%	
	Storage depth	500pts	

* This information is subject to change without notice.