



APPLICATIONS

- DC/DC converters
- Large capacity battery
- Motors, fuses, relays
- High-power DC power supply test
- Natural energy
- Fuel cell

Your Power Testing Solution

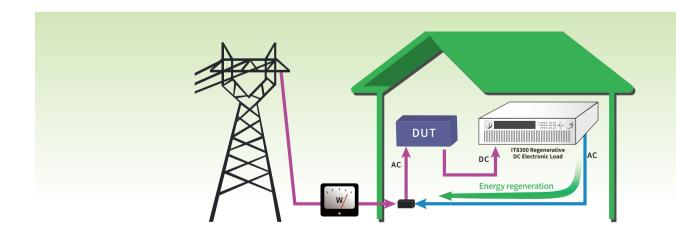


ITECH newly launched IT8300 Regenerative DC Electronic Load, it not only can simulate various load characteristics, but also can feed power back to grid without pollution. IT8300 series unique regenerative function can convert the absorbed DC power into AC power and feed it back to local grid. This eliminates the usual heat dissipation to a minimum and saves energy costs, adapts requirements of global energy-saving and emission reduction at the same time. IT8300 adopts high power density design, e.g. for 3 U size, it can absorb power up to 10.5 kW. IT8300 supports master-slave paralleling and current equalized distribution, which can expand the power up to 105KW or more. Moreover IT8300 has multiple functions such as the automatic grid-state detection, on-grid electricity accumulation, anti-islanding protection, battery-test function, dynamic mode, LIST function, etc. The built-in interfaces include LAN/USB/RS232/RS485/CAN interfaces. The various functions make IT8300 series suitable for high-power power supply, storage battery, photovoltaic battery, electric vehicle, energy storage system, etc.

Features

- Voltage range: 80V
- Stand-alone input current up to 3570A
- Stand-alone input power up to 73.5KW
- Support master-slave paralleling, current equalized distribution, maximum output power up to 105 kW or more *1
- Energy-regenerative efficiency Max. 95% *2
- 3 U size, high power density up to 10.5 kW
- On-grid electricity accumulation function
- Automatic grid-state detection, achieve reliable on-grid function, anti-islanding protection
- 4 testing modes: CC/CV/CR/CP

- Dynamic loading mode
- Battery test function, automatic test function, short circuit test
- Multiple parameters measurement & display: Vdc、ldc、Pdc、Vac、 Pac, Fac, Wac
- With pre-charging function, prevent dc loading current overshoot
- Full protection: OVP/OCP/OPP/OTP and power grid fault protection, fault storage
- Built-in standard LAN/USB/RS232/RS485/CAN communication
- support SCPI protocol, LabVIEW
- *1 Please consult with ITECH for higher power requirement
- *2 The regenerative power is for in-plant reuse, not for feeding back to public grid



IT8300 Series Regenerative DC Electronic Load

Model	Voltage	Current	Power	Size
IT8311	80V	170A	3.5kW	3U
IT8321	80V	340A	7kW	3U
IT8331	80V	510A	10.5kW	3U
IT8341	80V	1020A	21kW	6U
IT8351	80V	1530A	31.5kW	15U

Model	Voltage	Current	Power	Size
IT8361	80V	2040A	42kW	15U
IT8371	80V	2550A	52.5kW	27U
IT8381	80V	3060A	63kW	27U
IT8391	80V	3570A	73.5kW	27U

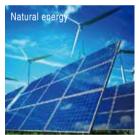
Applications

- Discharge testing for different types of batteries (lead, lithium, power and energy storage batteries)
- The virtual load test of natural energy (solar cell array, wind power generation)
- Aging life testing for AC/DC, DC/DC converters
- Aging testing for motor, fuse and relay under automobile high voltage (e.g., 36 v, 42 v) and small motor testing
- Security testing for mechanical systems with large capacity battery (e.g. agv, health care electric chair)
- Testing for large DC power supply, e.g. ground power test
- Evaluation testing for fuel cells and stacks
- Detection and aging for power electronic equipments











Power accumulation function

IT8300 series regenerative DC electronic load uses the power electronic transformation technology on the premise of completing test power experiment to make output energy of measured power supply regenerative recycled and reused. Through the inside fast sampling of voltage and current, the regenerative power value can be observed on the front panel of IT8300 series, including voltage, frequency and power of each phase, as well as total power, total current regenerative and total historical regenerative power, which makes the energy saving effect much easier. Re-open after power failure, IT8300 series will continue to accumulate the regenerative power value based on the last power off value.



IT8300 Series Regenerative DC Electronic Load

Ultra high power regeneration efficiency up to about 95%

IT8300 series regenerative DC electronic load is different from other conventional consumed loads, regenerative function is the most important feature of IT8300 series. It can regenerate power to grid and provides low heat dissipation, which will be converted with an efficiency of approximately 95%. This way of energy regeneration helps to lower energy costs and avoids expensive cooling systems, and also reduces the noise.



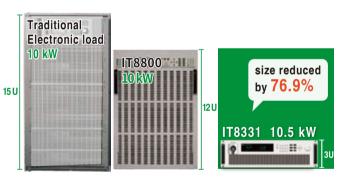
Energy-saving and emission-reduction

Conventional type electronic load is mostly energy consumption type load. In addition to the high cost of electricity, power generation process will also produce a lot of carbon dioxide, sulfur dioxide, nitrogen oxides and other greenhouse gases or harmful gases, causing harm to the environment. Using IT8300 series can reduce power consumption, not only save money, but also reduce greenhouse gas and harmful gas emissions. According to preliminary estimates, each 10.5KW IT8331 can reduce about 80 tons of CO₂ emissions per year, in line with global environmental protection and emission reduction requirements.



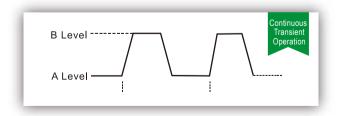
High Power Density Design

Conventional electronic loads are not only with high energy consumption, its own size and weight is also very large. Energy consumption electronic load with 10KW load is at least 12U, not only difficult to transport, the higher the cost, IT8300 series regenerative DC electronic load adopts high power density design, e.g. for 3 U size, it can absorb power up to 10.5 kW. Compared to traditional electronic loads, the size for IT8300 series will be able to decrease by 76.9% under the same output power.



Dynamic test function

IT8300 series regenerative DC electronic load provides dynamic test function under CC mode. Electronic load switches between two settable parameters according to set rule, it is for testing dynamic characteristics of power supply and checking the stability of power supply during step change of loading current. Dynamic testing mode can be divided into continuous mode, pulse mode and reverse mode.



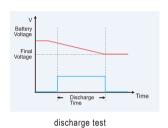
IT8300 Series Regenerative DC Electronic Load

List function

IT8300 series regenerative DC electronic load provides list mode, it can complete the complex arbitrary current change mode accurately and fast, and can synchronize with internal or external signals to complete multi-level loading precision test, which greatly save cost for customers. By editing the step value, pulse width and the slope of each step, IT8300 can generate a variety of complex sequences and help users to complete various loading waveforms test. In the CC mode, IT8300 series can set rising and falling speed.

Battery test function

IT8300 series regenerative DC electronic load simulate battery discharge test under CC mode, and support settable discharge cut-off conditions, such as cut-off voltage, cut-off capacity and cut-off time. When any of the three conditions are met, the discharge test will be stopped. Moreover, the battery voltage, discharge time and the discharged capacity can be observed during the test, which reflects the reliability of the battery and its remaining life.





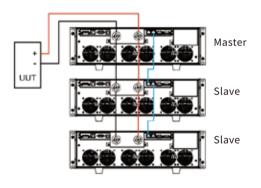
Full protection function

IT8300 series regenerative DC electronic load can detect the grid state automatically. When grid connection is suddenly disconnected or power down, products will be turned off. IT8300 series can achieve reliable on-grid function and anti-islanding protection function. IT8300 also provide monitor on DC input voltage and frequency, and support OCP, OVP, OTP, OPP.



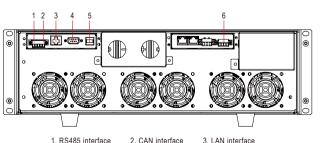
Support master-slave paralleling. current equalized distribution

IT8300 series regenerative DC electronic load supports master-slave paralleling and current equalized distribution function. Under the premise of three-phase power balanced, output power can be extended up to 105kW or higher via multiple loads paralleling, so as to meet the customers' higher power test requirements.



Built-in multiple interfaces

IT8300 series regenerative DC electronic load provides 5 types built-in interfaces: RS232, USB, LAN, CAN and RS485, supports SCPI protocol, facilitates power extending, computer or PLC remote control and system setting up etc. IT8300 series is also equipped with functions of remote measurement, current monitoring and external analog control, making it easy for users to conduct comprehensive and accurate measurement.



- 1. RS485 interface

- 4. RS232 interface
- 5. USB interface
- 6. Analog interface

Your Power Testing SolutionIT8300 Series Regenerative DC Electronic Load

Specification

Toput value	Model		IT8311	IT8321	IT8331	
				Input parameters		
		Input voltage	0~80V	0~80V	0~80V	
Part Part Part Part Part Part		Input current	0~170A	0~340A	0~510A	
CC mode Accuracy Resolution Accuracy 100mA 100mA 100mA 100mA Accuracy cd,4% linax cd,3%	(0~40 C)	Input power	0~3.5kW	0~7kW	0~10.5kW	
Accuracy		Range	0~170A	0~340A	0~510A	
CV mode Resolution 0 - 80V 0 - 80V 0 - 80V Resolution (CR mode Resolution) 1 0mV 1 0mV 1 0mV Resolution (CR mode Resolution) 0 - 0.00 (1 - 200Ω) 0 - 0.00 (1 - 0.00	CC mode	Resolution	100mA	100mA	100mA	
CV mode Accuracy Resolution Accuracy 10mV 10mV 10mV Accuracy Accuracy Accuracy 4.0 % Umax < 0.0 % Umax < 0.0 % Umax GR mode Processing Accuracy Acc		Accuracy	<0.4% Imax	<0.4% Imax	<0.4% Imax	
Accuracy		Range	0~80V	0~80V	0~80V	
CR mode Resolution Annual Processor 0.011 (0.001Ω) 0.001Ω (0.001Ω) 0.001Ω (0.001Ω) CP mode Processor Range Resolution Processor (0.01-200Ω) Rmax '2%: (0.003-60Ω); Rmax '2%: (0.003-60Ω); Rmax '5%: (404-40Ω); Rmax '5%: (404-40Ω) CP mode Resolution Processor Range Resolution Processor 0-15kW 0-105kW Current Readback Resolution Range Resolution 0-170A 0-340A 0-510A Current Readback Accuracy Range Resolution 0-170A 0-340A 0-510A Readback Accuracy -0.49% Imax -0.49% Imax -0.49% Imax Voltage Readback Accuracy -0.80V -0.80V -0.80V Power Readback Accuracy -0.3% Umax -0.3% Umax -0.3% Umax -0.3% Umax Power Readback Accuracy -0.3% Wmax -0.3% Umax -0.5KW -0.15KW Power Readback Accuracy -0.3% Wmax -0.3% Umax -0.5KW Power Readback Accuracy -0.3% Wmax -0.3% Umax -0.3% Umax Output voltage range 190VAC-260VAC 190VAC-260VAC 190VAC-260VAC OUtput voltage range 190VAC-260V	CV mode	Resolution	10mV	10mV	10mV	
CR mode Resolution 0.001Ω 0.001Ω 0.001Ω Accuracy Rmax*2%: (0.01-80Ω); Rmax*5%: (60-60Ω); Rmax*5%: (60-60Ω); Rmax*5%: (40-40Ω); Rmax*5%: (40-40Ω) Rmax*2%: (0.003-40Ω); Rmax*5%: (40-40Ω) Power Resolution IW 1W 1W Accuracy 4.3% Pmax <1.3% Pmax <1.3% Pmax *** Input readback** *** Input readback** Current Readback Range 0-170A 0-340A 0-510A Readback Accuracy 0.4% Imax 0.4% Imax 0.0% Voltage Readback Resolution 100mA 100mA 100mA 0.0% Readback Accuracy 0.4% Imax 0.4% Imax 0.0% Imax 0.0% Imax *** Power Readback Range 0.80V 0.80V 0.80V 0.80V Readback Range 0.3.5W 0.7%W 0.10.5W 0.10 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%		Accuracy	<0.3% Umax	<0.3% Umax	<0.3% Umax	
Range		Range	0.01~1200Ω	0.005~500Ω	0.003~400Ω	
Rinax 15%: (80-12000) Rinax 15%: (60-6000) Rinax 15%: (40-4000)	CR mode	Resolution	0.001Ω	0.001Ω	0.001Ω	
Range		Accuracy	Rmax*2%: $(0.01 \sim 80\Omega)$;	Rmax *2%: $(0.005~60\Omega)$;	Rmax *2%: $(0.003~40\Omega)$;	
CP mode Resolution 1W 1W 1W Accuracy < 1.3% Pmax < 1.3% Pmax < 1.3% Pmax Current Readback Readback		Accuracy	Rmax*5%: (80~1200Ω)	Rmax *5%: $(60~600\Omega)$	Rmax *5%: (40~400Ω)	
Acouracy <1,3% Pmax <1,3%		Range	0~3.5kW	0~7kW	0~10.5kW	
Course Readback	CP mode	Resolution	1W	1W	1W	
Current Readback Readback Readback Range Readback Resolution 0-170A 0-340A 0-510A Voltage Readback Readback Power Freadback Readback Rea		Accuracy	<1.3% Pmax		<1.3% Pmax	
Coursery 0.4% Imax 0.0mA 100mA 100mA Voltage Readback R				Input readback		
Resolution 100mA	Current	Range	0~170A	0~340A	0~510A	
Voltage Readback Readbac	Readback	Resolution	100mA	100mA	100mA	
Voltage Readback Resolution 10mV 10mV 10mV Power Readback Range 0-3.5kW 0-7kW 0-10.5kW Readback Resolution 1W 1W 1W Accuracy <1.3% Pmax		Accuracy	<0.4% Imax	<0.4% lmax	<0.4% Imax	
Readback Resolution 10mV 10mV 10mV Power Readback Agnge 0-3.5kW 0-7kW 0-10.5kW Resolution 1W 1W 1W Accuracy <1.3% Pmax <1.3% Pmax <1.3% Pmax Output parameters Output voltage range 190VAC-260VAC 190VAC-260VAC 190VAC-260VAC OVER TO SOLVE TO S	Voltago	Range	0~80V	0~80V	0~80V	
No		Resolution	10mV	10mV	10mV	
Resolution 1W 1W 1W 1W 1W 1W 1W 1		Accuracy	<0.3% Umax	<0.3% Umax	<0.3% Umax	
Accuracy	Power	Range	0~3.5kW	0~7kW	0~10.5kW	
Output parameters Output voltage range 190VAC-260VAC 190VAC-260VAC 190VAC-260VAC OVP 260VAC 260VAC 260VAC UVP 190VAC 190VAC 190VAC Output frequency range 45Hz-65Hz 45Hz-65Hz 45Hz-65Hz Maximum output current(rms) 17Aac 17Aac 17Aac Power Factor >0.99 (Leg or lag) >0.99 (Leg or lag) >0.99 (Leg or lag) DC component -0.5A-+0.5A -0.5A-+0.5A -0.5A-+0.5A Harmonic THDI <3%	Readback	Resolution	1W	1W	1W	
Output voltage range 190VAC-260VAC 190VAC-260VAC 190VAC-260VAC OVP 260VAC 260VAC 260VAC UVP 190VAC 190VAC 190VAC Output frequency range 45Hz-65Hz 45Hz-65Hz 45Hz-65Hz Maximum output current(rms) 17Aac 17Aac 17Aac Power Factor >0.99 (Leg or lag)) >0.99 (Leg or lag) >0.99 (Leg or lag) DC component -0.5A-+0.5A -0.5A-+0.5A -0.5A-+0.5A Harmonic THDI <3%		Accuracy	<1.3% Pmax	<1.3% Pmax	<1.3% Pmax	
OVP 260VAC 260VAC 260VAC UVP 190VAC 190VAC 190VAC Output frequency range 45Hz~65Hz 45Hz~65Hz 45Hz~65Hz Maximum output current(rms) 17Aac 17Aac 17Aac Power Factor >0.99 (Leg or lag) >0.99 (Leg or lag) >0.99 (Leg or lag) DC component -0.5A~+0.5A -0.5A~+0.5A -0.5A~+0.5A Harmonic THDI <3%				Output parameters		
UVP	Output volta	ige range	190VAC~260VAC	190VAC~260VAC	190VAC~260VAC	
Output frequency range 45Hz-65Hz 45Hz-65Hz 45Hz-65Hz Maximum output current(rms) 17Aac 17Aac 17Aac Power Factor >0.99 (Leg or lag) >0.99 (Leg or lag) >0.99 (Leg or lag) DC component -0.5A~+0.5A -0.5A~+0.5A -0.5A~+0.5A Harmonic THDI <3%	OVP		260VAC	260VAC	260VAC	
Maximum output current(rms) 17Aac 17Aac 17Aac Power Factor >0.99 (Leg or lag) >0.99 (Leg or lag) >0.99 (Leg or lag) DC component -0.5A~+0.5A -0.5A~+0.5A -0.5A~+0.5A Harmonic THDI <3%	UVP		190VAC	190VAC	190VAC	
Power Factor >0.99 (Leg or lag) >0.99 (Leg or lag) >0.99 (Leg or lag) >0.99 (Leg or lag)	Output frequ	uency range	45Hz~65Hz	45Hz~65Hz	45Hz~65Hz	
DC component -0.5A~+0.5A -0.5A~+0.5A -0.5A~+0.5A Harmonic THDI <3%	Maximum o	utput current(rms)	17Aac	17Aac	17Aac	
Harmonic THDI <3%	Power Facto	or	>0.99 (Leg or lag))	>0.99 (Leg or lag)	>0.99 (Leg or lag)	
Anti-islanding protection active anti-islanding protection active anti-islanding protection active anti-islanding protection ### Comparison** ### Anti-islanding protection ### Comparison** ### Anti-islanding protection ### Active anti-islanding	DC compon	ent	-0.5A~+0.5A	-0.5A~+0.5A	-0.5A~+0.5A	
efficiency Max. input voltage full load efficiency 92.5% 92.5% other Interfaces RS232/USB/RS485/CAN/LAN RS232/USB/RS485/CAN/LAN RS232/USB/RS485/CAN/LAN Dimension 3U 3U 3U			<3%	<3%	<3%	
Max. input voltage full load efficiency 92.5% 92.5% other Interfaces RS232/USB/RS485/CAN/LAN RS232/USB/RS485/CAN/LAN RS232/USB/RS485/CAN/LAN Dimension 3U 3U 3U	Anti-islandin	ng protection	active anti-islanding protection	<u> </u>	active anti-islanding protection	
Other Interfaces RS232/USB/RS485/CAN/LAN RS232/USB/RS485/CAN/LAN RS232/USB/RS485/CAN/LAN Dimension 3U 3U 3U	Max. input voltage full load efficiency			· · · · · · · · · · · · · · · · · · ·		
Interfaces RS232/USB/RS485/CAN/LAN RS232/USB/RS485/CAN/LAN RS232/USB/RS485/CAN/LAN Dimension 3U 3U 3U			92.5%		92.5%	
Dimension 3U 3U 3U				2.2.2		
	Interfaces					
Net weight 20kg 30kg 40kg	Dimension					
	Net weight		20kg	30kg	40kg	

Note: Resistance readback range

IT8311	IT8321	IT8331
0.01~80Ω	0.005~60Ω	0.003~40Ω
Lower limit value · 1/(1/R+(1/	R)*0 02+0 002) · Upper limit v	alue · 1/(1/R-(1/R)*0 02-0 002)

IT8311	IT8321	IT8331	
80~1200Ω	60~600Ω	40~400Ω	
Lower limit value: 1/(1/R+(1/	R)*0.05+0.002); Upper limit va	alue: 1/(1/R-(1/R)*0.05-0.002)	

Your Power Testing SolutionIT8300 Series Regenerative DC Electronic Load

Specification

Model		IT8341	IT8351	IT8361
			Input parameters	
	Input voltage	0~80V	0~80V	0~80V
Input rating	Input current	0~1020A	0~1530A	0~2040A
(0~40°C)	Input power	0~21kW	0~31.5kW	0~42kW
	Range	0~1020A	0~1530A	0~2040A
CC mode	Resolution	100mA	100mA	100mA
	Accuracy	<0.4% Imax	<0.4% Imax	<0.4% lmax
	Range	0~80V	0~80V	0~80V
CV mode	Resolution	10mV	10mV	10mV
	Accuracy	<0.3% Umax	<0.3% Umax	<0.3% Umax
	Range	0.002~200Ω	0.002~133Ω	0.001~0.1kΩ
CR mode	Resolution	0.001Ω	0.001Ω	0.001Ω
CIX IIIoue		Rmax *2%: (0.002~2Ω) ;	Rmax *2%: $(0.002~2\Omega)$;	Rmax *2%: $(0.001 \sim 2\Omega)$;
	Accuracy	Rmax *5%: (2~200Ω)	Rmax *5%: (2~133Ω)	Rmax *5%: (2~100Ω)
	Range	0~21kW	0~31.5kW	0~42kW
CP mode	Resolution	1W	1W	1W
	Accuracy	<1.3% Pmax	<1.3% Pmax	<1.3% Pmax
			Input readback	
	Range	0~1020A	0~1530A	0~2040A
Current Readback	Resolution	100mA	100mA	100mA
reauback	Accuracy	<0.4% lmax	<0.4% lmax	<0.4% lmax
	Range	0~80V	0~80V	0~80V
Voltage Readback	Resolution	10mV	10mV	10mV
Neauback	Accuracy	<0.3% Umax	<0.3% Umax	<0.3% Umax
Power	Range	0~21kW	0~31.5kW	0~42kW
Readback	Resolution	1W	1W	1W
rtoddbaoit	Accuracy	<1.3% Pmax	<1.3% Pmax	<1.3% Pmax
			Output parameters	
Output volta	ge range	190VAC~260VAC	190VAC~260VAC	190VAC~260VAC
OVP		260VAC	260VAC	260VAC
UVP		190VAC	190VAC	190VAC
Output frequ	iency range	45Hz~65Hz	45Hz~65Hz	45Hz~65Hz
Maximum ou	utput current (rms)	34Aac	51Aac	68Aac
Power Facto	or	>0.99 (Leg or lag)	>0.99 (Leg or lag)	>0.99 (Leg or lag)
DC component Harmonic THDI		-0.5A~+0.5A	-0.5A~+0.5A	-0.5A~+0.5A
		<3%	<3%	<3%
Anti-islandin	g protection	active anti-islanding protection	active anti-islanding protection	active anti-islanding protection
			efficiency	
Max. input voltage full load efficiency		92.5%	92.5%	92.5%
			other	
Interfaces		RS232/USB/RS485/CAN/LAN	RS232/USB/RS485/CAN/LAN	RS232/USB/RS485/CAN/LAN
Dimension		6U	15U	15U
Net weight		95kg	186kg	228.5kg

Note: Resistance readback range

IT8341	IT8351	IT8361
0.002~2Ω	0.001~2Ω	0.001~2Ω
Lower limit value: 1/(1/R+	(1/R)*0.02+0.002): Upper limit v	ralue: 1/(1/R-(1/R)*0.02-0.002)

IT8341		IT835	51		IT8361	1
2~200Ω		2~133	Ω		2~100Ω	
Lower limit value:	1/(1/R+(1/	R)*0.05+0.002);	Upper limit va	alue :	1/(1/R-(1/R)*0.05-0.002)	7

IT8300 Series Regenerative DC Electronic Load

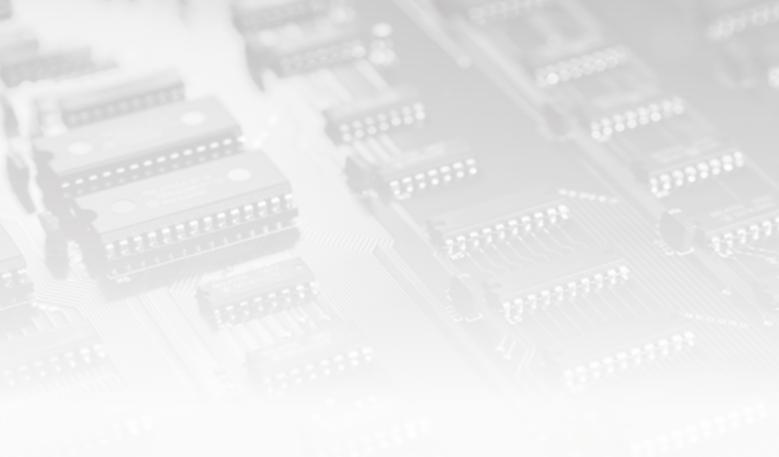
Specification

Input rating Inpu (0~40 °C) Inpu Ran	olution uracy ge	0~80V 0~2550A 0~52.5kW 0~2550A 100mA <0.4% Imax	Input parameters 0~80V 0~3060A 0~63kW 0~3060A 100mA	0~80V 0~3570A 0~73.5kW 0~3570A
Input rating Inpu (0~40 °C) Inpu Ran	t current t power ge olution uracy ge	0~2550A 0~52.5kW 0~2550A 100mA	0~3060A 0~63kW 0~3060A	0~3570A 0~73.5kW
(0~40 °C) Inpu	t power ge olution uracy ge	0~52.5kW 0~2550A 100mA	0~63kW 0~3060A	0~73.5kW
/ Inpu Ran	ge olution uracy ge	0~2550A 100mA	0~3060A	
	olution uracy ge	100mA		0~3570A
CC mode Reso	uracy ge		100mA	
	ge	<0.4% lmax	10011111	100mA
Accı		· · · · · · · · · · · · · · · · · · ·	<0.4% lmax	<0.4% Imax
Ran	1.00	0~80V	0~80V	0~80V
CV mode Reso	olution	10mV	10mV	10mV
Ассι	ıracy	<0.3% Umax	<0.3% Umax	<0.3% Umax
Ran	ge	0.001~80Ω	0.001~50Ω	0.001~50Ω
CR mode Reso	olution	0.001Ω	0.001Ω	0.001Ω
	ласу	Rmax *2%: $(0.001 \sim 10)$; Rmax *5%: $(1 \sim 800)$	Rmax *2%: $(0.001~1\Omega)$; Rmax *5%: $(1~50\Omega)$	Rmax *2%: $(0.001 \sim 1\Omega)$;
Rang	ae	0~52.5kW	0~63kW	Rmax *5%: (1~50Ω) 0~73.5kW
	olution	1W	1W	1W
	uracy	<1.3% Pmax	<1.3% Pmax	<1.3% Pmax
7.000		1.0/01 max	Input readback	V1.570 F Hitax
Rang	ae	0~2550A	0~3060A	0~3570A
Jurrent $igwedge$	olution	100mA	100mA	100mA
Reauback	uracy	<0.4% Imax	<0.4% Imax	<0.4% lmax
Ran		0~80V	0~80V	0~80V
Voltage H	olution	10mV	10mV	10mV
чеапраск ——	ıracy	<0.3% Umax	<0.3% Umax	<0.3% Umax
Rang		0~52.5kW	0~63kW	0~73.5kW
ower —	olution	1W	1W	1W
	ıracy	<1.3% Pmax	<1.3% Pmax	<1.3% Pmax
			Output parameters	
Output voltage rar	nge	190VAC~260VAC	190VAC~260VAC	190VAC~260VAC
OVP		260VAC	260VAC	260VAC
UVP		190VAC	190VAC	190VAC
Output frequency	range	45Hz~65Hz	45Hz~65Hz	45Hz~65Hz
Maximum output c		85Aac	102Aac	119Aac
Power Factor	,	>0.99 (Leg or lag)	>0.99 (Leg or lag)	>0.99 (Leg or lag)
DC component Harmonic THDI Anti-islanding protection		-0.5A~+0.5A	-0.5A~+0.5A	-0.5A~+0.5A
		<3%	<3%	<3%
		active anti-islanding protection	active anti-islanding protection	active anti-islanding protection
		VI *****	efficiency	
Max. input voltage full load efficiency		92.5%	92.5%	92.5%
			other	
Interfaces		RS232/USB/RS485/CAN/LAN	RS232/USB/RS485/CAN/LAN	RS232/USB/RS485/CAN/LAN
Dimension		27U	27U	27U
Net weight		321.5kg	363.5kg	405.5kg

Note: Resistance readback range

IT8371	IT8381	IT8391		
0.001~1Ω	0.001~1Ω	0.001~1Ω		
Lower limit value: 1/(1/R+(1/R)*0.02+0.002): Upper limit value: 1/(1/R-(1/R)*0.02-0.002)				

IT8371		IT8381			IT8391
1~80Ω		1~50Ω			1~50Ω
Lower limit value:	1/(1/R+(1/	R)*0.05+0.002);	Upper limit va	alue :	1/(1/R-(1/R)*0.05-0.002)





This information is subject to change without notice.
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