AC & DC Electronic Load series 3270

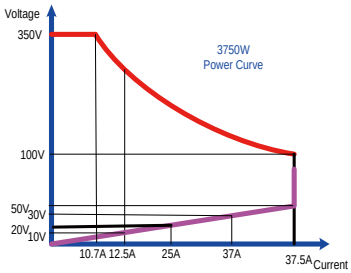
MODEL		3270	3271	3272	3273	3274
Power (W)	Turbo OFF	3750 W	2800W	1875 W	3750 W	2800W
	Turbo ON	7500W (x2)*	5600W (x2)*	3750W (x2)*	7500W (x2)*	5600W (x2)*
Current(Ampere)	Turbo OFF	37.5 Arms / 112.5Apeak	28 Arms / 84Apeak	18.75 Arms / 56.25Apeak	28 Arms / 84Apeak	18.75 Arms / 56.25Apeak
	Turbo ON	75.0Arms/112.5Apeak (x2)*	56Arms/84Apeak (x2)*	37.5Arms/56.25Apeak (x2)*	56Arms/84Apeak (x2)*	37.5Arms/56.25Apeak (x2)*
Voltage(Volt)		50~350Vrms / 500Vdc			50~480Vrms / 700Vdc	

MODEL		32701	327102	32703	32704	32705
Power (W)	Turbo OFF	7500 W	11250W	15000W	18750W	22500W
	Turbo ON	15000W (x2)*	22500W (x2)*	30000W (x2)*	37500W (x2)*	45000W (x2)*
Current(Ampere)	Turbo OFF	75.0 Arms / 225Apeak	112.5 Arms / 337.5Apeak	112.5 Arms / 337.5Apeak	112.5 Arms / 337.5Apeak	112.5 Arms / 337.5Apeak
	Turbo ON	150.0Arms/225Apeak (x2)*	225Arms/337.5Apeak (x2)*	225Arms/337.5Apeak (x2)*	225Arms/337.5Apeak (x2)*	225Arms/337.5Apeak (x2)*
Voltage(Volt)		50~350Vrms / 500Vdc				

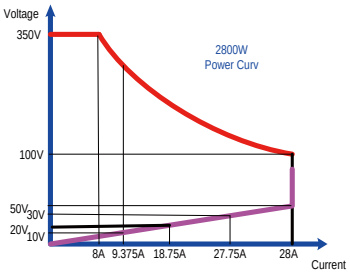
MODEL		32711
Power (W)		5600 W
		11200W (x2)*
Current(Ampere)		56.0 Arms / 168Apeak
		112.0Arms/ 168Apeak (x2)*
Voltage(Volt)		50~350Vrms / 500Vdc

* Turbo ON can double the power and Current ratings

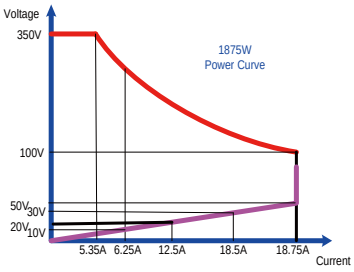
Power Curve



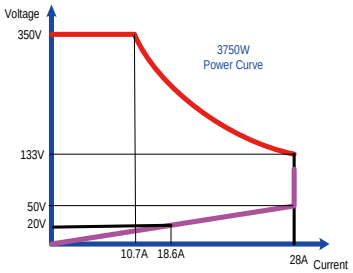
3270 Power Curve



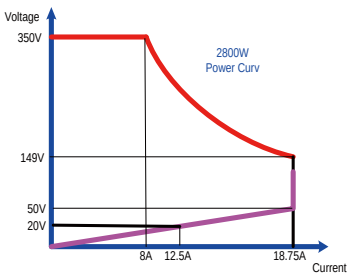
3271 Power Curve



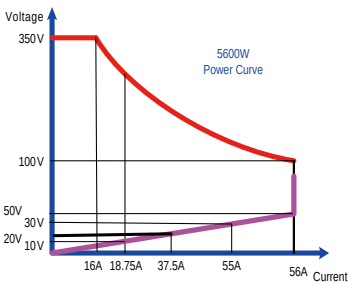
3272 Power Curve



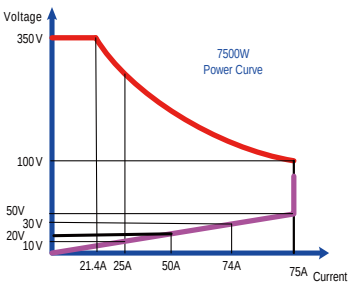
3273 Power Curve



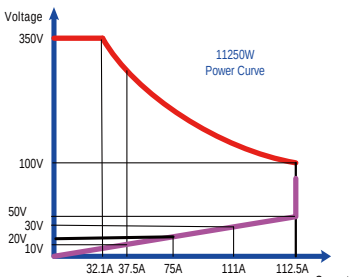
3274 Power Curve



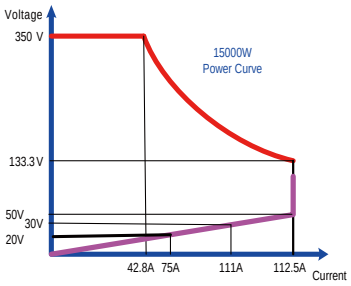
32711 Power Curve



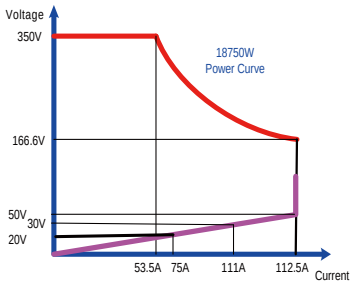
32701 Power Curve



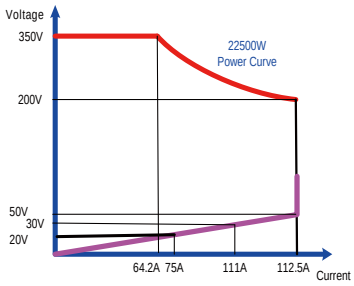
32702 Power Curve



32703 Power Curve



32704 Power Curve



32705 Power Curve

Features

- 4 digit V / A/W Meter，display the Voltage（Vrms, Vpeak, Vmax., Vmin）、Current （Irms, Ipeak, Imax., Imin.）、Watt, Voltampere （VA）、Frequency、Crest Factor、Power Factor、Total Harmonic Distortion of Voltage（VTHD）, Voltage Harmonic（VH）、Total Harmonic Distortion of Current（ITHD）, Current Harmonic（IH）
- CC, Linear CC, CR, CV, CP and AC Rectifier Load mode
- Crest factor range : 1.414~5.0
- Power factor（PF) range : 0~1 lead or（-1~0）lag
- Built-in function test modes include UPS Efficiency, PV Inverter Efficiency, UPS Back-up time, Battery Discharge time, UPS transfer time, Fuse/Breaker Trip/Non-Trip, Short circuit , OCP, OPP test modes
- Turbo mode is able to increase to 2 times the current and power of electronic load in a short period which is the most suitable for Fuse / Breaker test and short circuit, OCP, OPP test of AC power supply
- Time measurement can be applied to batteries, UPS, fuses and circuit breakers and other tests
- Three units parallel up to 90KW and three-phase △ or Y load connection can be synchronized control by one master unit
- Support on-load boot; at first set Load ON to support on-load boot, inverter or uninterruptible power supply is turned on directly with the set load current, used to verify whether the starter is stable when the Inverter is connected.
- Supports the loading and unloading angle control; the loading and unloading angle control, the full range of 0-359 degrees can be set to verify whether the Inverter output voltage transient response is stable when the actual electrical plugging and unplugging, and whether Overshoot/Undershoot is within the allowable range.
- Support positive half-cycle or negative half-cycle loading; used to verify whether the Inverter output voltage remains stable when the actual appliance has only positive half-cycle or negative half-cycle load current.
- Supports SCR/TRIAC current phase modulation waveforms, 90 degree Trailing edge and Leading Edge.
- Supports the Inrush Current of the inverter at startup and the Surge Current test when the load is suddenly plugged in (Hot Plug-in) during testing.
- Frequency Range : DC, 40~440Hz
- Voltage and current monitoring
- Can be controlled by external voltage for CC, Linear CC, CR, CV, CP operating modes
- Protection against V, I, W, and℃
- Optional interface：GPIB、RS232、USB、LAN
- The most complete measurement capabilities

  3270 Series AC & DC electronic load built-in 16-bit A/D and DSP precision measurement circuit, provides accurate measurements, measurement items have Vrms, Arms, Watt, VA, CF, PF, THD, VTHD, ITHD, Ipeak, Amax, Amin, Vmax, and Vmin

  In addition to these measurement functions, it also provides time measurement，products such as UPS, fuses and circuit breakers etc. trip or blow time and transfer time for Off-line UPS

Order Information

- **3270** 350V, 37.5A, 3750W
- **3271** 350V, 28A, 2800W
- **3272** 350V, 18.75A, 1875W
- **3273** 480V, 28A, 3750W
- **3274** 480V, 1875A, 2800W

Optional Interface：❶GPIB Card ❷RS232 Card ❸USB Card ❹LAN Card

32711	32701	32702	32703	32704	32705
350V,56A,5600W	350V,75A,7500W	350V,112.5A,11250W	350V,112.5A,15000W	480V,112.5A,18750W	480V,112.5A,22500W

Specifications

MODEL		3270	3271	3272	3273	3274
Power (W)		3750 W	2800W	1875 W	3750 W	2800W
Current(Ampere)		37.5 Arms / 112.5Apeak	28 Arms / 84Apeak	18.75 Arms / 56.25Apeak	28 Arms / 84Apeak	18.75 Arms / 56.25Apeak
Voltage(Volt)		50~350Vrms / 500Vdc			50~480Vrms / 700Vdc	
FREQUENCY Range		DC,40~440Hz (CC,CP Mode) , DC~440Hz (LIN,CR,CV Mode)			DC,40~70Hz(CC,CP Mode) , DC~70Hz(LIN,CR,CV Mode)	
PROTECTIONS						
Over Power Protection		≒ 3937.5 Wrms or Programmable	≒ 2940 Wrms or Programmable	≒ 1968.75 Wrms or Programmable	≒ 3937.5 Wrms or Programmable	≒2940 Wrms or Programmable
Over Current Protection		≒ 39.375 Arms or Programmable	≒ 29.4 Arms or Programmable	≒ 19.687 Arms or Programmable	≒ 29.4 Arms or Programmab	≒19.687 Arms or Programmable
Over Vlotage Protection		≒ 367.5 Vrms / 525Vdc			≒ 504Vrms / 735Vdc	
Over Temp. Protection		Yes				
OPERATION MODE						
Constant Current Mode for Sine-Wave						
Range		0 ~ 37.5A	0 ~ 28A	0 ~ 18.75A	0 ~ 28A	0 ~ 18.75A
Resolution		0.625mA / 16bits	0.5mA / 16bits	0.3125mA / 16bits	0.5mA / 16bits	0.3125mA / 16bits
Accuracy		± (0.1% of setting + 0.2% of range) @ 50/60Hz				
Linear Constant Current Mode for Sine-Wave, Square-Wave or Quasi-Square Wave, PWM Wave						
Range		0~37.5A	0 ~ 28A	0 ~ 18.75A	0~28A	0 ~ 18.75A
Resolution		0.625mA / 16bits	0.5mA / 16bits	0.3125mA / 16bits	0.5mA / 16bits	0.3125mA / 16bits
Accuracy		± (0.1% of setting + 0.2% of range) @ 50/60Hz				
Constant Resistance Mode						
Range		1.6 ohm ~ 32K ohm	2.0 ohm ~ 40K ohm	3.2 ohm ~ 64K ohm	2.5 ohm ~ 50K ohm	4 ohm ~ 80K ohm
Resolution *1		0.010416mS / 16bits	0.0078137mS / 16bits	0.0052083mS / 16bits	0.006666mS / 16bits	0.004166mS / 16bits
Accuracy		±0.2% of (setting + range) @ 50/60Hz				
Constant Voltage Mode						
Range		50 ~ 350Vrms / 500Vdc			50 ~ 480Vrms / 700Vdc	
Resolution		0.1V			0.0125V	
Accuracy		±(0.1% of setting + 0.1% of range) @ 50/60Hz				
Constant Power Mode						
Range		3750W	2800W	1875W	3750W	2800W
Resolution		0.1W	0.1W	0.1W	0.1W	0.1W
Accuracy		±(0.1% of setting + 0.1% of range) @ 50/60Hz				
CREST FACTOR (CC & CP MODE ONLY)						
Range		√2~5				
Resolution		0.1				
Accuracy		(0.5% / Irms) + 1%F.S.				
POWER FACTOR (CC & CP MODE ONLY)						
Range		0~1 Lag or Lead				
Resolution		0.01				
Accuracy		1%F.S.				
TEST MODE						
UPS Efficient Measurement		Non-Linear Mode				
Operating Frequency		Auto ; 40 ~ 440Hz			Auto ; 40 ~ 70Hz	
Current Range		0 ~ 37.5A	0 ~ 28A	0 ~ 18.75A	0 ~ 28A	0 ~ 18.75A
PF Range		0~1				
MEASURING EFFICIENCY FOR PV SYSTEMS, POWER CONDITIONERS for THD 80%		Resistive + Non-Linear Mode				
Operating Frequency		Auto ; 40 ~ 440Hz			Auto ; 40 ~ 70Hz	
Current Range		0 ~ 37.5A	0 ~ 28A	0 ~ 18.75A	0 ~ 28A	0 ~ 18.75A
Resistive Range		1.6 ohm ~ 32K ohm	2.0 ohm ~ 40K ohm	3.2 ohm ~ 64K ohm	2.5 ohm ~ 50K ohm	4 ohm ~ 80K ohm
UPS Back-Up function(CC,LIN,CR,CP)						
UVP(VTH)		50 ~ 350Vrms / 500Vdc			50 ~ 480Vrms / 700Vdc	
UPS Back-Up Time		1 ~ 99999 Sec. (>27H)				
Battery Discharge function(CC,LIN,CR,CP)						
UVP (VTH)		50 ~ 350Vrms / 500Vdc			50 ~ 480Vrms / 700Vdc	
Battery Discharge Time		1 ~ 99999 Sec. (>27H)				
UPS Transfer Time						
Current Range		0 ~ 37.5A	0 ~ 28A	0 ~ 18.75A	0 ~ 28A	0 ~ 18.75A
UVP (VTH)		2.5V				
Time range		0.15mS ~ 999.99mS				
Fuse Test mode						
Max. Current	Turbo OFF	37.5Arms	28.0Arms	18.75Arms	28.0Arms	18.75Arms
	Turbo ON	75.0Arms (x2) *3	56.0Arms (x2) *3	37.5Arms (x2) *3	56.0Arms (x2) *3	37.5Arms (x2) *3
Trip & Non-Trip Time	Turbo OFF	0.1 ~ 9999.9sec.				
	Turbo ON	0.1 ~ 1.0sec.				
Meas. Accuracy		±0.003 Sec.				
Repeat Cycle		0 ~ 255				

Specifications

MODEL		3270	3271	3272	3273	3274
Short/OPP/OCP Test Function						
Short Time	Turbo OFF	0.1S ~ 10Sec. Or Cont.				
	Turbo ON	0.1S ~ 1Sec				
OPP/OCP Step Time	Turbo OFF	100ms				
	Turbo ON	100ms, up to 10 Steps				
OCP Istop	Turbo OFF	37.5Arms	28.0Arms	18.75Arms	28.0Arms	18.75Arms
	Turbo ON	75.0Arms *3	56.0Arms *3	37.5Arms *3	56.0Arms *3	37.5Arms *3
OPP Pstop	Turbo OFF	3750W	2800W	1875W	3750W	2800W
	Turbo ON	7500W	5600W	3750W	7500W	5600W
Programmable Inrush current simulation: Istart - Istop / Tsep						
Istart, Inrush Start Current		0~75A	0~56A	0~37.5A	0~56A	0~37.5A
Inrush Step time		0.1mS~100mS				
Istop, Inrush stop current		0~37.5A	0~28A	0~18.75A	0~28A	0~18.75A
Programmable Surge current simulation: S1/T1 - S2/T2 - S3/T3						
S1 and S2 Current		0~75A	0~56A	0~37.5A	0~56A	0~37.5A
T1 and T2 Time		0.01S~0.5Sec.				
S3 Current		0~37.5A	0~28A	0~18.75A	0~28A	0~18.75A
T3 Time		0.01S ~ 9.99Sec. Or Cont.				
MEASUREMENTS						
VOLTAGE READBACK A METER						
Range		500V			700V	
Resolution		0.01V			0.0125V	
Accuracy		± 0.05% of (reading + range)				
Parameter		Vrms, V Max / Min, +/-Vpk				
CURRENT READBACK A METER						
Range		18.75Arms / 37.5Arms	14Arms / 28Arms	9.375Arms / 18.75Arms	14Arms / 28Arms	9.375Arms / 18.75Arms
Resolution		0.4mA / 0.8mA	0.3mA / 0.6mA	0.2mA / 0.4mA	0.3mA / 0.6mA	0.2mA / 0.4mA
Accuracy		±0.05% of (reading + range) @ 50/60Hz , ±0.2% of (reading + range)				
Parameter		Irms,I Max / Min,+ / -Ipk				
WATT READBACK W METER						
Range		3750W	2800W	1875W	3750W	2800W
Resolution		0.0625W	0.05W	0.03125W	0.0625W	0.05W
Accuracy		±0.1% of (reading + range)				
VA METER		Vrms×Arms Correspond To Vrms and Arms				
Power Factor METER						
Range		+/- 0.000~1.000				
Accuracy		± (0.002 ± (0.001 / PF) * F)				
Frequency METER(V)						
Range		DC,40~440Hz			DC,40~70Hz	
Accuracy		0.1%				
Other Parameter METER						
VA, VAR, CF_I, Ipeak, Imax., Imin. Vmax., Vmin., I_{HD}, V_{HD}, I_{THD}, V_{THD}						
OTHERS						
Start up loading		Yes , Power on loading during Inverter / UPS start up				
Load ON / OFF Angle		0 ~ 359 degree can be programmed for the angle of load ON and load OFF loading				
Half cycle and SCR/TRIAC loading		Postive or Negative half cycle, 90° Trailing edge or Leading edge current waveform can be programmed				
Master/Slave (3 Phase Application)		Yes, 1 master and upto 7 slave units				
External programming input		F.S / 10Vdc, Resulotion 0.1V				
External SYNC input		TTL				
Vmonitor (Isolated)		±500V / ±10V			±700V / ±10V	
Imonitor (Isolated)		GPIB ; RS-232 ; LAN ; USB				
Interface (OPTION)		±112.5Apk / ±10Vpk	±84Apk / ±10Vpk	±56.25Apk / ±10Vpk	±84Apk / ±10Vpk	±56.25Apk / ±10Vpk
MAX. Power consumption			150VA			
Operation Temperature *2		0 ~ 40 ℃				
Current of input impedance (mA) @50/60Hz ; @400Hz		約 V*0.6 ; 約 V*4.4	約 V*0.45 ; 約 V*3.3	約 V*0.3 ; 約 V*2.2	約 V*0.4 ; 約 V*2.95	約 V*0.3 ; 約 V*2.2
Dimension (H x W x D)		177 x 440 x 558 mm				
Weight		33.5Kg	27.5Kg	21.5Kg	33.5Kg	27.5Kg

Input AC Power：115/230 Vac ±10%，50/60Hz
Cooling：Advanced Fan Cooled

*1 ms (millisiemens) is the unit of conductance(G), one siemens equal to 1/kΩ
*2 Operating temperature range is 0~40℃, all specification apply for 25℃±5℃, Except as noted
*3 Turbo mode for up to 2X Current rating & Power rating support Fuse, Short/OCP/OPP test function

Specifications

MODEL		32711	32701	32702	32703	32704	32705
Power (W)		5600 W	7500 W	11250W	15000W	18750W	22500W
Current(Ampere)		56 Arms / 168Apeak	75 Arms / 225Apeak	112.5 Arms / 337.5Apeak	112.5 Arms / 337.5Apeak	112.5 Arms / 337.5Apeak	112.5 Arms / 337.5Apeak
Voltage(Volt)		50~350Vrms / 500Vdc					
FREQUENCY Range		DC,40~440Hz (CC,CP Mode) , DC~440Hz (LIN,CR,CV Mode)					
PROTECTIONS							
Over Power Protection		≒ 5880Wrms or Programmable	≒7875Wrms or Programmable	≒11812.5Wrms or Programmable	≒15750Wrms or Programmable	≒19687.5Wrms or Programmable	≒23625Wrms or Programmable
Over Current Protection		≒ 58.8 Arms, or Programmable	≒78.75 Arms, or Programmable	≒118.125 Arms or Programmable	≒118.125 Arms or Programmable	≒118.125 Arms or Programmable	≒118.125 Arms or Programmable
Over Vlotage Protection		≒ 367.5 Vrms / 525Vdc					
Over Temp. Protection		Yes					
OPERATION MODE							
Constant Current Mode for Sine-Wave							
Range		0~56A	0~75A	0~112.5A	0~112.5A	0~112.5A	0~112.5A
Resolution		1mA/16bits	1.25mA/16bits	1.875mA/16bits	1.875mA/16bits	1.875mA/16bits	1.875mA/16bits
Accuracy		±（0.1% of setting ＋ 0.2% of range）@ 50/60Hz					
Linear Constant Current Mode for Sine-Wave, Square-Wave or Quasi-Square Wave, PWM Wave							
Range		0~56A	0~75A	0~112.5A	0~112.5A	0~112.5A	0~112.5A
Resolution		1mA/16bits	1.25mA/16bits	1.875mA/16bits	1.875mA/16bits	1.875mA/16bits	1.875mA/16bits
Accuracy		±（0.1% of setting ＋ 0.2% of range）@ 50/60Hz					
Constant Resistance Mode							
Range		1 ohm~20K ohm	0.8 ohm~16K ohm	0.533 ohm~10.666K ohm	0.533 ohm~10.666K ohm	0.533 ohm~10.666K ohm	0.533 ohm~10.666K ohm
Resolution *1		0.016666mS/16bits	0.020832mS/16bits	0.031248mS/16bits	0.031248mS/16bits	0.031248mS/16bits	0.031248mS/16bits
Accuracy		±0.2% of （setting ＋ range）@ 50/60Hz					
Constant Voltage Mode							
Range		50 ~ 350Vrms / 500Vdc					
Resolution		0.1V					
Accuracy		±0.2% of（setting ＋ range）@ 50/60Hz					
Constant Power Mode							
Range		5600W	7500W	11250W	15000W	18750W	22500W
Resolution		0.1W	0.1W	1W	1W	1W	1W
Accuracy		±0.2% of（setting ＋ range）@ 50/60Hz					
CREST FACTOR (CC & CP MODE ONLY)							
Range		√2~5					
Resolution		0.1					
Accuracy		(0.5% / Irms) + 1%F.S.					
POWER FACTOR (CC & CP MODE ONLY)							
Range		0~1 Lag or Lead					
Resolution		0.01					
Accuracy		1%F.S.					
TEST MODE							
UPS Efficient Measurement		Non-Linear Mode					
Operating Frequency		Auto ; 40 ~ 440Hz					
Current Range		0~56A	0~75A	0~112.5A	0~112.5A	0~112.5A	0~112.5A
PF Range		0~1					
MEASURING EFFICIENCY FOR PV SYSTEMS, POWER CONDITIONERS for THD 80%		Resistive + Non-Linear Mode					
Operating Frequency		Auto ; 40 ~ 440Hz					
Current Range		0~56A	0~75A	0~112.5A	0~112.5A	0~112.5A	0~112.5A
Resistive Range		1 ohm～20K ohm	0.8 ohm~16K ohm	0.533 ohm~10.666 Kohm	0.533 ohm~10.666 Kohm	0.533 ohm~10.666 Kohm	0.533 ohm~10.666 Kohm
UPS Back-Up function(CC,LIN,CR,CP)							
UVP(VTH)		50 ~ 350Vrms / 500Vdc					
UPS Back-Up Time		1 ~ 99999 Sec. (>27H)					
Battery Discharge function(CC,LIN,CR,CP)							
UVP (VTH)		50 ~ 350Vrms / 500Vdc					
Battery Discharge Time		1 ~ 99999 Sec. (>27H)					
UPS Transfer Time							
Current Range		0~56A	0~75A	0~112.5A	0~112.5A	0~112.5A	0~112.5A
UVP (VTH)		2.5V					
Time range		0.15mS ~ 999.99mS					
Fuse Test mode							
Max. Current	Turbo OFF	56Arms	75Arms	112.5Arms	112.5Arms	112.5Arms	112.5Arms
	Turbo ON	112Arms (x2) *3	150Arms (x2) *3	225Arms (x2) *3	225Arms (x2) *3	225Arms (x2) *3	225Arms (x2) *3
Trip & Non-Trip Time	Turbo OFF	0.1 ~ 9999.9sec.					
	Turbo ON	0.1 ~ 1.0sec.					
Meas. Accuracy		±0.003 Sec.					
Repeat Cycle		0 ~ 255					

Specifications

MODEL		32711	32701	32702	32703	32704	32705
Short/OPP/OCP Test Function							
Short Time	Turbo OFF	0.1S ~ 10Sec. Or Cont.					
	Turbo ON	0.1S ~ 1Sec					
OPP/OCP Step Time	Turbo OFF	100ms					
	Turbo ON	100ms, up to 10 Steps					
OCP Istop	Turbo OFF	56Arms	75Arms	112.5Arms	112.5Arms	112.5Arms	112.5Arms
	Turbo ON	112Arms	150Arms	225Arms	225Arms	225Arms	225Arms
OPP Pstop	Turbo OFF	5600W	7500W	11250W	15000W	18750W	22500W
	Turbo ON	11200W	15000W	22500W	30000W	37500W	45000W
Programmable Inrush current simulation: Istart - Istop / Tsep							
Istart, Inrush Start Current		0~112A	0~150A	0~225A	0~225A	0~225A	0~225A
Inrush Step time		0.1mS~100mS					
Istop, Inrush stop current		0~56A	0~75A	0~112.5A	0~112.5A	0~112.5A	0~112.5A
Programmable Surge current simulation: S1/T1 - S2/T2 - S3/T3							
S1 and S2 Current		0~112A	0~150A	0~225A	0~225A	0~225A	0~225A
T1 and T2 Time		0.01S~0.5Sec.					
S3 Current		0~56A	0~75A	0~112.5A	0~112.5A	0~112.5A	0~112.5A
T3 Time		0.01S ~ 9.99Sec. Or Cont.					
MEASUREMENTS							
VOLTAGE READBACK V METER							
Range		500V					
Resolution		0.01V					
Accuracy		±0.05% of (reading ＋range)					
Parameter		Vrms,V Max/Min,+/-Vpk					
CURRENT READBACK A METER							
Range		28Arms/56Arms	37.5Arms/75Arms	56.25Arms/112.5Arms	56.25Arms/112.5Arms	56.25Arms/112.5Arms	56.25Arms/112.5Arms
Resolution		0.6mA/1.2mA	0.8mA/1.6mA	1.2mA/2.4mA	1.2mA/2.4mA	1.2mA/2.4mA	1.2mA/2.4mA
Accuracy		±0.1% of（ reading ＋ range）@ 50/60Hz					
Parameter		Irms,I Max/Min,+/-Ipk					
WATT READBACK W METER							
Range		5600W	7500W	11250W	15000W	18750W	22500W
Resolution		0.1W	0.125W	0.1875W	0.25W	0.3125W	0.375W
Accuracy		±0.2% of (reading ＋ range)					
VA METER		Vrms×Arms Correspond To Vrms and Arms					
Power Factor METER							
Range		+/- 0.000~1.000					
Accuracy		±(0.002±(0.001/PF)*F)					
Frequency METER							
Range		DC,40~440Hz					
Accuracy		0.1%					
Other Parameter METER							
VA, VAR, CF_I, Ipeak, Imax., Imin., Vmax., Vmin., I_{HD}, V_{HD}, I_{THD}, V_{THD}							
OTHERS							
Start up loading		Yes , Power on loading during Inverter / UPS start up					
Load ON / OFF Angle		0 ~ 359 degree can be programmed for the angle of load ON and load OFF loading					
Half cycle and SCR/TRIAC loading		Postive or Negative half cycle, 90˚ Trailing edge or Leading edge current waveform can be programmed					
Master/Slave (3 phase or Parallel application)		Yes, 1 master and upto 7 slave unit					
External programming input(OPTION)		F.S / 10Vdc, Resulotion 0.1V					
External SYNC input		TTL					
Vmonitor (Isolated)		±500V / ±10V					
Imonitor (Isolated)		±168Apk / ±10Vpk	±225Apk / ±10Vpk	±337.5Apk / ±10Vpk	±337.5Apk / ±10Vpk	±337.5Apk / ±10Vpk	±337.5Apk / ±10Vpk
Interface (OPTION)		GPIB：RS-232：LAN：USB					
MAX. Power consumption		270VA	270VA	390VA	510VA	630VA	750VA
Operation Temperature*2		0 ~ 40 ℃					
Current of input impedance (mA) @ 50/60Hz ; @400Hz		~V*0.9 ; ~V*6.6	~V*1.2 ; ~V*8.8	~V*1.8 ; ~V*13.2	~V*2.4 ; ~V*17.6	~V*3.0 ; ~V*22	~V*3.6 ; ~V*26.4
Dimension(H x W x D)		458 x 480 x 590 mm	458 x 480 x 590 mm	636 x 480 x 590 mm	814 x 480 x 590 mm	1283 x 600 x 600 mm	1283 x 600 x 600 mm
Weight		58 kg	70 kg	105kg	140kg	260kg	295kg

Input AC Power：115/230 Vac ±10% ，50/60Hz
Cooling：Advanced Fan Cooled

*1 ms (millisiemens) is the unit of conductance(G), one siemens equal to 1/kΩ
*2 Operating temperature range is 0~40℃, all specification apply for 25℃±5℃, Except as noted
*3 Turbo mode for up to 2X Current rating & Power rating support Fuse, Short/OCP/OPP test function