

3270系列 交/直流电子负载



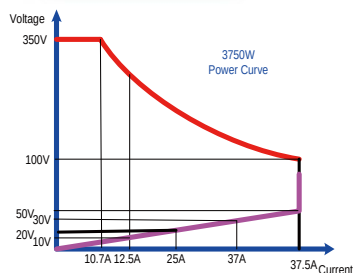
MODEL		3270	3271	3272	3273	3274
Power (W)	Turbo OFF	3750 W	2800W	1875 W	3750 W	2800W
	Turbo ON	7500W (x2)*	5600W (x2)*	3750W (x2)*	7500W (x2)*	5600W (x2)*
Current(Ampere)	Turbo OFF	37.5 Arms / 112.5Apeak	28 Arms / 84Apeak	18.75 Arms / 56.25Apeak	28 Arms / 84Apeak	18.75 Arms / 56.25Apeak
	Turbo ON	75.0Arms/112.5Apeak (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	32702	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				

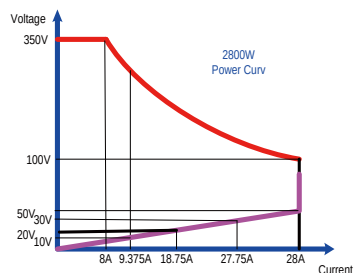
MODEL		32711
Power (W)	Turbo OFF	5600 W
	Turbo ON	11200W (x2)*
Current(Ampere)	Turbo OFF	56.0 Arms / 168Apeak
	Turbo ON	112.0Arms/ 168Apeak (x2)*
Voltage(Volt)		50~350Vrms / 500Vdc

* Turbo ON 功率與電流提升的倍率

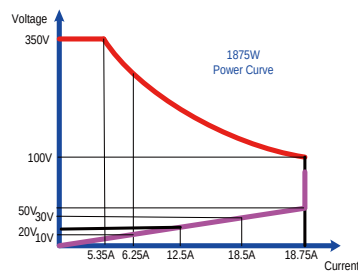
功率曲線



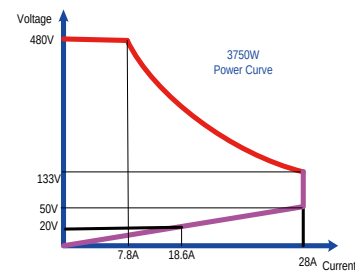
3270 功率曲線圖



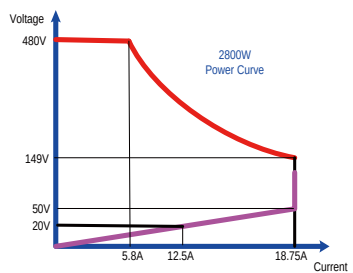
3271 功率曲線圖



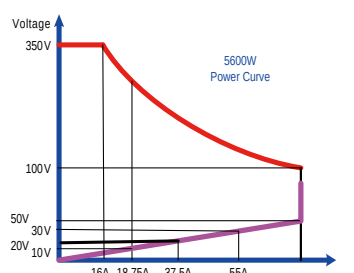
3272 功率曲線圖



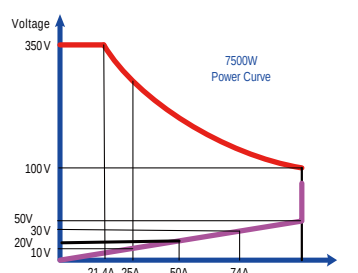
3273 功率曲線圖



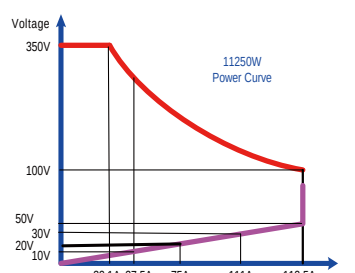
3274 功率曲線圖



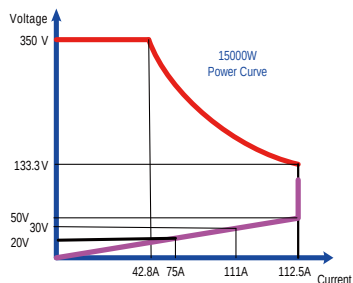
32711 功率曲線圖



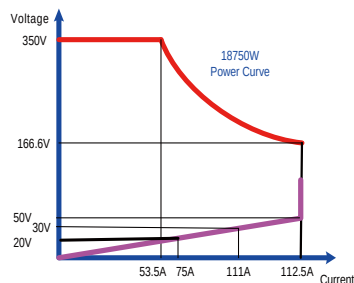
32701 功率曲線圖



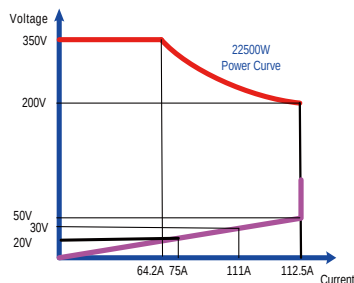
32702 功率曲線圖



32703 功率曲線圖



32704 功率曲線圖



32705 功率曲線圖

特 性

- 四個電錶可同時顯示電壓值 (Vrms, Vpeak, Vmax., Vmin)、電流值(Irms, Ipeak, Imax., Imin.)、瓦特值、伏安值(VA)、頻率值、峰值因素、功率因素、電壓失真度(V_{THD}, V_H)、電流失真度(I_{THD}, I_H)等。
- 交/直流負載具定電流、線性定電流、定電阻、定電壓、定功率及整流性負載等工作模式。
- 選購電壓：425Vrms / 600Vdc (3273 / 3274 除外)
- 峰值因素範圍：1.414~5.0。
- 功率因素範圍：0~1 超前或落後。
- 內建測試模式包括UPS Efficiency, PV Inverter Efficiency, UPS Back-up time, Battery Discharge time, UPS transfer time, Fuse/Breaker Trip/Non-Trip, 短路模擬, OCP, OPP 等測試模式。
- Turbo mode (倍增模式)，能夠在短時間內承受多達2倍電流與功率的電子負載，最適合Fuse / Breaker 及交流電源的短路、OCP、OPP測試。
- 時間量測可應用於電池、UPS、保險絲和斷路器等測試。
- 高達八台的並聯最高可達 90KW及三相△或Y的負載同步控制。
- 支援帶載開機；先設定Load ON 便可支持帶載開機，逆變器或不斷電電源開機時便直接帶著所設定負載電流開機，用來驗證Inverter連接電器時啟動是否穩定。
- 支援抽載與卸載角度控制；吃載卸載角度控制，0-359度全範圍都可設定，用來驗證實際電器插拔時，Inverter輸出電壓暫態反應是否穩定，Overshoot/Undershoot 是否在容許範圍內。
- 支援正半週或負半週抽載；用來驗證實際電器只有正半週或負半週負載電流時，Inverter輸出電壓是否維持穩定。
- 支援SCR/TRIAC的電流調變波形，90度Trailing edge及Leading Edge。
- 支援電源供應器於開機時之電容性負載 (Inrush Current) 與運行中負載突然接入 (Hot Plug-in) 時的瞬間電流 (Surge Current) 測試。
- 頻率範圍：DC, 40~440Hz
- 電壓, 電流監控。
- 外部電壓控制定電流、線性定電流、定電阻、定電壓、定功率等工作模式。
- 過電壓警示、過電流、過功率、過溫度保護。
- GPIB、RS-232、USB、LAN 控制介面。
- 最齊全的量測功能

3270 系列交/直流電子負載內建16位元A/D及DSP等精準的量測電路，提供了精確的量測值，量測項目共有電壓均方根值(Vrms)、電流均方根值(Arms)、瓦特值(Watt)、伏安(VA)、波峰因素(CF)、功率因素(PF)、總諧波失真率(THD)、電壓總諧波失真率(VTHD)、電流總諧波失真率(ITHD)、峰值電流(Ipeak)、電流最大值(Amax)、電流最小值(Amin)、電壓最大值(Vmax)、電壓最小值(Vmin)。

除了這些量測功能外，亦提供了時間量測，產品如 UPS、保險絲及斷路器等的跳脫或熔斷時間及 Off-line UPS 的轉換時間(Transfer time)。

訂 購 方 式

► 3270 350V, 37.5A, 3750W 選購介面：① GPIB Card ② RS232 Card ③ USB Card ④ LAN Card

► 3271 350V, 28A, 2800W

► 3272 350V, 18.75A, 1875W

► 3273 480V, 28A, 3750W

► 3274 480V, 187.5A, 2800W



32711
350V, 56A, 5600W



32701
350V, 75A, 7500W



32702
350V, 112.5A, 11250W



32703
350V, 112.5A, 15000W



32704
480V, 112.5A, 18750W



32705
480V, 112.5A, 22500W

規 格

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
	Turbo ON	75.0Arms (x2) *3	56.0Arms (x2) *3	37.5Arms (x2) *3	56.0Arms (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				

規 格

MODEL		3270	3271	3272	3273	3274
Short/OPP/OCF Test Function						
Short Time	Turbo OFF	0.1S ~ 10Sec. Or Cont.				
	Turbo ON	0.1S ~ 1Sec				
OPP/OCF 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., IHD, VHD, ITHD, VTHD				
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(OPTION)		F.S / 10Vdc, Resulation 0.1V				
External SYNC input		TTL				
Vmonitor (Isolated)		±500V / ±10V			±700V / ±10V	
Imonitor (Isolated)		±112.5Apk / ±10Vpk	±84Apk / ±10Vpk	±56.25Apk / ±10Vpk	±84Apk / ±10Vpk	±56.25Apk / ±10Vpk
Interface (OPTION)		GPIOB ; RS-232 ; LAN ; USB				
MAX. Power consumption			150VA			
Operation Temperature *2		0 ~ 40 °C				
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

輸入電源：100~230 Vac ±10% , 50/60Hz

冷卻方式：智慧型風扇冷卻

註*1：ms= milli - siemens = 1/kΩ

註*2：操作溫度範圍為0~40℃，此規格表內精確度僅適用於25℃±5℃及50/60Hz

註*3：2倍額定電流和功率的Turbo mode操作模式，主要應用於保險絲(Fuse)、Short / OCP / OPP的測試

規 格

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
	Turbo ON	112Arms (x2) *3	150Arms (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					

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MODEL		32711	32701	32702	32703	32704	32705
Short/OPP/OCF Test Function							
Short Time	Turbo OFF	0.1S ~ 10Sec. Or Cont.					
	Turbo ON	0.1S ~ 1Sec					
OPP/OCF Step Time	Turbo OFF	100ms					
	Turbo ON	100ms, up to 10 Steps					
OCF 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., IHD, VHD, ITHD, VTHD							
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 °C					
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

輸入電源：115 / 230 Vac ±10% , 50/60Hz 註*1：ms= milli - siemens = 1/kΩ



北京海洋兴业科技股份有限公司 (証券代码: 839145)

北京市西三旗东黄平路19号龙旗广场4号楼(E座)906室

邮编: 100096

电话: 010-62176775 62178811 62176785

传真: 010-62176619

企业QQ: 800057747 维修QQ: 508005118

邮箱: market@oitek.com.cn

企业官网: www.hxyyq.com

购线网: www.gooxian.com



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