



NINGBO YUSING ELECTRONICS CO.,LTD

2011

CATALOG

UPS & REGULATOR

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USP101 Stand-by UPS

Main Features

- Automatic voltage regulation(AVR)
- Wide Input Voltage Range Option
- High/Low Voltage Protection
- Overload/Short Protection
- Cool start computer even there is no main power
- Automatic recharge even UPS is off
- Beeping Alarm
- Colored LED display
- Intelligent Battery Management
- Smart RS232, RJ11,USB Option
- Compatibility With Generators

Product	Requirements	USP101 Series				
Power (VA)		500VA	650VA	800VA	1000VA	1500VA
Input	Voltage	120 VAC or 220/230/240VAC ±25%(145-280V±5VOption)				
	Frequency	60/50Hz ±10%				
Output	Voltage (Inverter Mode)	120 VAC or 220/230/240VAC ±10%				
	Capacity	300W	360W	480W	600W	880W
	Frequency (Inverter Mode)	60/50Hz±10%				
	Transfer Time	≤6MS typical				
	Waveform	modified-Sinewave				
Protection	Spike & Surge Suppression	yes				
	Over/Under Volt.	Switch to Bat. O / P when Mains over regulation range				
	Over load /short Circuit	Fuse & current limited for both Mains and Battery modes				
Function	Cool start	Cool start computer even there is no main power				
	Automatic recharge	Automatic recharge even UPS is off				
Battery	Type	Lead-Acid maintenance-free				
	Dc Bus	12V7.0Ah	12V9.0Ah	12V7.0Ah	12V9.0Ah	
	Number	1 PC		2 PCS		
	Recharge time	8hours≥90%				
	Back up time(one PC)	8-15mins	10-18mins	15-25mins	20-30mins	25-35mins
Soft ware	Windows & NT	Auto save & shut down				
Efficiency	AC-AC	1				
	DC-AC	0.6				
Acoustic	Noise	≤45dB(at 1 meter)				
Environmental	Temperature	-5°C~45°C Degree				
	Humidity	20% to 90%				
Power Outlets	No. and types	2 SOCKETS		3 SOCKETS		4 SOCKETS
General	Gross weight(Kg)	5.6	6	7	11.5	12
	Packing(W×D×H)mm	375*170*200			420*190*250	



UPS102 Line-Interactive UPS

Main Features

- CPU control
- With Stabilizer Function
- Wide Input Voltage Range
- Wide Input Frequency Range
- High/Low Voltage Protection, Overload/Short Protection
- Cool start computer even there isn't main power
- Automatic recharge even UPS is off
- Automatic restart
- Beeping Alarm on Battery, Battery Low and Overload
- Beeping Selection
- Intelligent Battery Management
- Intelligent LCD Display
- Smart RS232 & RJ11& USB Option
- Compatibility With Generators

Product	Requirements	UPS102 Series					
Power (VA)		500VA	650VA	1000VA	1200VA	1500VA	2000VA
Input	Voltage	80-150VAC / 145-290VAC ±5V					
	Frequency	60/50Hz+/-10%					
Output	Voltage (AC Mode)	105-135VAC / 190-250VAC					
	Voltage (Inverter Mode)	120VAC/220VAC ±5%					
	Capacity	300W	390W	600W	720W	880W	1100W
	Frequency (Inverter Mode)	60/50Hz+/-0.5Hz					
	Transfer Time	2ms typical					
	Generator connection	Normal Working under the Generator					
	Waveform	modified-Sinewave					
Protection	Spike & Surge Suppression	yes					
	Over/Under Volt.	Switch to Bat. O / P when Mains over regulation range					
	Over load /short Circuit	Fuse & current limited for both Mains and Battery modes					
Function	Cold start	UPS Start The Computer Even there Is no Main Power					
	Automatic Recharge	Automatic Charge when UPS is off					
	Automatic Restart	Automatic Restart if main power coming within one hour					
	Voltage display	220v/230v Optional following the real capacity					
	Frequency	50HZ/60HZ Optioanl following the real					
	Beeping	During the battery mode ,the beeping optional					
Battery	Type	Lead-Acid maintenance-free					
	Dc Bus	12V7.0Ah	12V7.0Ah	12V7.0Ah	12V7.0Ah	12V9.0Ah	12V7.0Ah
	Number	1 PC		2 PCS		3 PCS	
	Recharge time	8hours≥90%					
	Back up time(one PC)	8-15mins	8-15mins	20-30mins	20-30mins	25-45mins	30-45mins
Soft ware	RS232 or USB option	Auto save & shut down					
Efficiency	AC-AC	1					
	DC-AC	0.6					
Acoustic	Noise	≤45dB(at 1 meter)					
Environmental	Temperature	-5-45°C Degree					
	Humidity	20% to 90%					
Power Outlets	No. and types	2 SOCKETS		3 SOCKETS		4 SOCKETS	
General	Gross weight(Kg)	5.6	6	11	11.5	12	17.5
	Packing(W×D×H)mm	375*170*200		420*190*250		480*235*320	



UPS201 Low Frequency Online UPS

Main Features

- True On-line double conversion design providing all power protection
- Sine wave pluse width modulation
- IGBT Inverter design
- Wide input voltage range
- Pure sine wave output with less than 3% THD
- Expandable backup time
- Generator compatible
- Load/battery power LCD display
- Overload,on-line,battery status LED+LCD
- Advanced Battery Management
- Automatically charging in ups OFF mode
- Zero transfer time on AC mode to/from battery,AC mode to/from bypass
- Smart RS232 communication port
- Optional SNMP cards

Product Power (VA)	Requirements	UPS201 Series									
		1KVA	2KVA	3KVA	4KVA	6KVA	8KVA	10KVA	12KVA	15KVA	20KVA
Input	Voltage Range	180~260VAC or 90~130VAC									
	Frequency	50/60HZ±5%									
	Phase	Single phase+GND									
	Max current(110V)	12A	20A	48A	28A	68A	90A	110A	136A	168A	220A
	Max current(220V)	6A	10A	14A	24A	34A	45A	56A	68A	84A	112A
Output	Voltage Range	220VAC±1%or110VAC±1%									
	Capacity	0.8KW	1.6KW	2.4KW	3.2KW	4.8KW	6.4KW	8KW	9.6KW	12KW	16KW
	Frequency	50/60HZ±0.5%									
	Phase	Single phase+GND									
	THD	<3%(linear load)									
	Power Factor	0.8									
	Short Circuit Protection	Current limit,turn off automatically,Switch protect									
	Overload Capacity	Overload(110%-150%),20s later go to bypass, automatically resume when load become normal									
Battery	Type	Sealed lead acid,maintenance free									
	DC Voltage	48VDC(192V Optional)					192VDC				
	Charge current	4.2A	4.2A	4.2A	4.2A	4.2A	4.2A	4.2A	4.2A	4.2A	4.2A
Panel indication	Charge Time	90% capacity after 8 hours									
	LCD	Working mode,I/P and O/P voltage,I/P and O/P frequency Battery voltage,load percentage,UPS inner temperature									
	LED	low battery,online,inverter,bypass,abnormal									
Efficiency	Whole unit	0.8									
Communication	Interface	Rs232									
	Software	1.Power status 2.UPS shutdown 3.Monitor UPS status 4.UPS self test 5.Auto-save files									
Environment	Temperature	0~40°C									
	Humidity	0%~95%(non condensing)									
	Noise	<55dB (at 1 meter)									
General	Gross weight(Kg)(without battery)	46	63	75	65	69	105	115	120	210	250
	Packing(W×D×H)mm	320×620×730			350×725×810			470×765×916		726×485×1176	



UPS202 Low Frequency Online UPS

Main Features

- Three phase in, one phase out
- True On-line double conversion design providing all power protection
- Sine wave pluse width modulation
- IGBT Inverter design
- Wide input voltage window
- Pure sine wave output with less than 3% THD
- Expandable backup time
- Generator compatible
- Cold start
- Load/battery power meter display
- Overload,on-line,battery status LED+LCD
- Advanced Battery Management
- Automatically charging in UPS OFF mode
- Zero transfer time on AC mode to/from battery,AC mode to/from bypass
- Smart RS232 communication port
- Optional SNMP cards

Product Power (VA)	Requirements	UPS202 Series							
		6KVA	8KVA	10KVA	15KVA	20KVA	25KVA	30KVA	
Input	Voltage Range	380V±20%(3 phase) or 190V±20%(3 phase)							
	Frequency	50±5% or 60HZ±5%							
	Phase	3 Phase+GND							
	Max.Current	10A	13A	16A	24A	32A	40A	56A	
	Max current(110V)	6A	10A	14A	24A	34A	45A	56A	
Output	Voltage Range	220VAC±1% or 110VAC±1%							
	Capacity	4.8KW	6.4KW	8KW	12KW	16KW	20KW	24KW	
	Frequency	50(60)HZ±1%							
	Phase	Single phase+GND							
	THD	<3%(linear load)							
	Power Factor	0.8							
	Waveform	Sine wave							
	Overload Capacity	Overload(110%-150%),20s later go bypass, auto resume when load become normal							
Battery	DC Voltage	192VDC240VDC							
	Charge Current	4A6A							
	Charge Time	90% capacity after 8 hours							
Panel Indication	LCD	Input/output voltage,input/output frequency, battery voltage,load capacity							
	LED	Low battery,online,inverter,bypass,abnormal							
Efficiency	Whole unit	>0.85							
Communication	Interface	Rs232							
	Software	1.Power status 2.UPS shutdown 3.Monitor UPS status 4.UPS self test 5.Auto-save files							
Environment	Temperature	0~40°C degree							
	Humidity	0~95%(non condensing)							
	Noise	<58dB(at 1 meter)							
General	Gross weight(Kg)(without battery)	118	135	155	262	297	326	326	
	Packing(W×D×H)(mm)	490×790×930				950×675×1315			



UPS203 Low Frequency Online UPS

Main Features

- Three phase in, three phase out
- True On-line double conversion design providing all power protection
- Sine wave pluse width modulation
- Double DSP digital control
- LCD with control panel
- Remote management
- Advanced Battery Management
- Parallel redundant
- Self diagnose
- low noise
- Wide input voltage range
- High efficiency cuts down your expense

Product	Requirements	UPS203 Series									
Power (VA)		10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	
Input	Voltage Range	380V±20%									
	Frequency Range	45~65HZ									
	Phase	3 phase 4 wire and ground									
	Rated voltage	380/400/415V optional									
Output	Phase voltage setting	200-244VAC(control panel)									
	Capacity	8KW	12KW	16KW	24KW	32KW	48KW	64KW	80KW	96KW	
	Frequency	50/60HZ±0.05%									
	Phase	3 phase 4wire and ground									
	Power Factor	0.8									
	THD	<3%(linear load)									
	Wave form	Sine wave									
	Crest Factor	3:1									
	Range of phase lock	With synchronization;±0.05% Without synchronization;±2%(settable±1% on the control panel)									
	Short circuit current	Short current for 0.1s(200%current)									
	Overload capacity	110% / 125% / 150% rated current 300min / 10min / 1min									
Battery	TYPE	Maintenance free lead-acid cell									
	DC Voltage	384VDC432VDC480VDC									
System	Type	Static state + manual maintenance bypass									
	Input Phase	3 phase 4 wire and ground									
	Input voltage range	±15%(the front control panel selectable)									
	Input frequency range	±1%~±5% the front control panel selectable									
	Transfer time	Inverter / bypass transfer switch time(Overload):0ms inverter / bypass transfer switch time(fault inverter):1ms									
	Overload capacity(10min)	170%	180%	170%	170%	170%	140%	130%	125%	125%	
	Remote signaling	Dry contact(battery low,battery discharging,bypass/fault); output 12Vdc/80mA									
	Remote control	EPO and bypass									
	Communication interface	RS232(SNMP,modem optional)									
	Running temperature	0-40℃ degree									
	Relative Humidity	Less than 95%(without condensing)									
	Altitude	1000m output nominal power(with increase of 100m, it will reduce output of 1%)max 4000m									
	Noise at 1M	<60dB(at 1 meter)									
	Inverter Efficiency	92%						93%			
General	Gross weight(Kg)	230	260	260	360	360	580	615	970	970	
	Packing(W×D×H)	660×860×14			30950×890×1620			1200×810×1540			



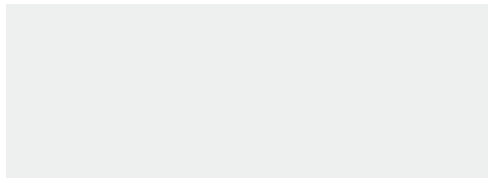
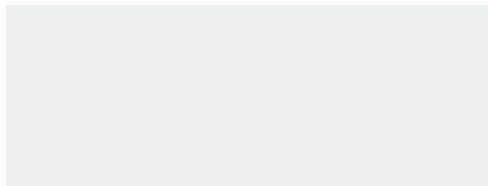
UPS301 High Frequency Online UPS

APPLICATION:Small network server and other IT equipment

Main Features

- High frequency and double conversion on-line technology
- Fully digitized microprocessor control
- Wide input voltage range
- UPS start up without battery
- Cold start
- Advanced battery management
- Automatic battery charge in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Fan speed auto control when loads varies
- Optional extension battery pack
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP Card slot

Product Power (VA)	Requirements	UPS301 Series		
		1KVA	2KVA	3KVA
Input	Voltage Range	When load<70%, input range is 115±5VAC~295±5VAC When load≥ 70%, input range is 160±5VAC~295±5VAC		
	Frequency Range	46~54Hz±0.5Hz or 56~64Hz±0.5Hz auto sensing		
	Phase	Single phase		
	Power Factor	≥0.97		
Output	Voltage Range	220Vac±2%		
	Capacity	700W	1400W	2100W
	Frequency Range	50Hz/60Hz±0.2%		
	THD (linear load)	<3%		
	THD (non-linear load)	<6%		
	Overload Capability	>110%, 30s turn to bypass mode; >150%, 300ms turn to bypass mode		
	Crest Factor	3:1(max)		
	Short Circuit Protection	5 cycles turn off inverter, no transfer to bypass, provide alarm (AC mode)		
		5 cycles turn off inverter, provide alarm (battery mode)		
		input fuse blown or breaker action (bypass mode)		
	Waveform	pure sine wave		
	Transfer Time Between AC Mode and Battery Mode	Transfer time: 0ms		
Battery	Efficiency	≥83%		≥85%
	Model	12V sealed lead acid maintenance free		
	DC Voltage	36VDC		96VDC
	Battery	3×12V/7AH		8×12V/7AH
	Backup Time(half load)	12min	19min	16min
	Backup Time(full load)	5min	8min	5min
	Charge Current(standard unit)	0.7A	0.7A	0.7A
	Charge Current(long time unit)	7.5A	7.5A	7.5A
Recharge Time		90% capacity after 8 hrs charging		
Communication Interface		RS232 ; SNMP (optional)		
LED Indication:		Load level, battery capacity, battery mode, utility mode, inverter, bypass, overload, fault		
Environment	Storage Temperature	-25~55℃		



UPS302 High Frequency Online UPS

Main Features

- Technology line interactive with AVR
- Design of high frequency
- High/Low Voltage Protection
- Overload/Short Protection
- UPS Start up without battery
- Cool start (0 to 100% load)
- Spike & Surge Suppression
- Automatic recharge even UPS is off
- Audible Beeping Alarm
- LED Or LCD front panel display
- Frequency Selection Automatically
- Intelligent Battery Management
- Smart RS232,USB,RJ45 communication with monitoring software
- Optional SNMP Card slot
- Compatibility with generators,Generator setting function
- Optional extension battery pack
- Nominal bypass ECO Setting function
- EPO control system(optional)
- Output voltage 220V,230V,240V Setting function
- EMI/RFI noise filter
- Scalable autonomy in using kits

Product	Requirements	UPS302 Series			
Power (VA)		1000VA	1500VA	2000VA	3000VA
Input	Voltage Range	220/230/240VAC ±20%(176-288±4V)			
	Frequency Range	60/50Hz +/-10%			
Output	Voltage(AVR)	220/230/240VAC±10% Boost:114% of Vin, Bulk:88 % of Vin			
	Voltage (Inverter Mode)	220/230/240VAC ± 5% (+5% ,-10% after Low Battery Warning)			
	Capacity	700W	1050W	1340W	2100W
	Frequency (Inverter Mode)	60/50Hz ±+/- 0.1 Hz			
	Load Power Factor	0.7			
	DC Component	10sec average < 0.1% of rms value of output voltage			
	Transfer Time	2-4MS typical,6MS max		Break out for 6-msec.max. Generator mode for 10 msec.max	
	Waveform	Sine wave			
Battery	Type	Lead-Acid maintenance-free			
	Dc Bus	24V	48V		96V
	Number	9AH*2PCS	9AH*4PCS		4.5AH*8PCS
	Charge current		3A typical		
	Recharge time	Internal battery modules will recharge <3 hours to 90% usable capacity nominal line after full load discharge.			
	Back up time(at 100% PFC or SPS load)	>5mins	>5mins	>5mins	>5mins
Protection	Spike & Surge Suppression	yes			
	High/Low Voltage Protection	Switch to Bat. O / P when Mains over regulation range			
	Over load /short Circuit	Fuse & current limited for both Mains and Battery modes			
Function	Cool start	Cool start computer even there is no main power			
	EPO function	Short circuit the EPO, the UPS will shut down output immediately in both line mode or battery mode.			
	LED's display	UPS on, battery level, general failure, AVR			
	Automatic recharge	Automatic recharge even UPS is off			
Communication Interface		USB, RS232,Dry Contact ,SNMP(optional)			
Efficiency	AC-AC	>95 % for normal mode, 92% for boost and buck mode			
	DC-AC	>85%			
Acoustic	Noise level	< 55dB(at 1 meter)			

REGIO1~IO6 Series SVC Servo Automatic Voltage Regulator

Main Features

- Automatic voltage regulation
- Protection against Low voltage & over voltage
- Wide input voltage range
- Short circuit & over load protection
- Protection Selectable delay Time



REG101



REG102



REG103



REG104



REG105



REG106

Product Power (VA)	Requirements	REG101	REG102	REG103	REG104	REG105	REG106		
		500VA	1000VA	1500VA	2000VA	3000VA	5000VA	8000VA	10000VA
Input	Phase	Single phase							
	Voltage	AC160V-250V/70V-130V							
	Frequency	50Hz/60Hz							
Output	Voltage	AC220V $\pm 3\%$,110V $\pm 6\%$							
	Capacity	400W	800W	1200W	1600W	2400W	4000W	6400W	8000W
	Frequency	50Hz/60Hz							
Protection	Low Volt.	AC184V ± 4 V							
	Over Volt.	AC246 ± 4 V							
	Delay	Within 1 sec against 10% input voltage deviation							
Efficiency	Over load/short Circuit	Yes							
	AC-AC	>95%							
Acoustic	Noise level	≤ 50 dB							
	Temperature	$-5^{\circ}\text{C} \sim 45^{\circ}\text{C}$							
	Humidity	20% to 90%							
Packaging	pcs per Cartion	4			2		1	1	1
	Shipping Wt.(KG)	16	24	29.6	21	26.8	20	30.5	34
	Package Dimensions(mm)	480*440*185		550*505*210		590*335*235	600*360*270	540*305*256	505*365*300
QTY(pc)	20FT	3000	1840	1840	1200	960	660	465	465

REGIO7 SVC Servo Automatic Voltage Regulator(vertical type)



REGIO7

Main Features

- Automatic voltage regulation
- Protection against Low voltage & over voltage
- Wide input voltage range
- Short circuit & over load protection
- Protection Selectable delay Time

REGIO8 TNS Servo Automatic Voltage Regulator



REGIO8

Main Features

- Large capacity, high precision
- Adopted compensate voltage technology
- Wide input voltage range
- Over voltage protection
- Output voltage three phase auto-balance (individual control)
- With bypass system

Product	Requirements	REGIO7(vertical type)			
Power (VA)		10KVA	15KVA	20KVA	30KVA
Input	Phase	Single phase			
	Voltage	AC160V-250V/70V-130V			
	Frequency	50Hz/60Hz			
Output	Voltage	AC220V±3%,110V±6%			
	Capacity	8KW	12KW	16KW	24KW
	Frequency	50Hz/60Hz			
Protection	Low Volt.	AC184V±4V			
	Over Volt.	AC246±4V			
	Over load/short Circuit	Yes			
Efficiency	AC-AC	>95%			
Acoustic	Noise level	≤50dB			
Environmental	Temperature	-5℃~45℃			
	Humidity	20% to 90%			
Packaging	pcs per Cartion	1			
	Shipping Wt.(KG)	46.5	61.2	63	96
	Package Dimensions(mm)	425*410*675	480*400*850		960*530*460
QTY(pc)	20FT	235	170	170	115

Product	Requirements	REGIO8		
Power (VA)		1.5KVA	15KVA	20KVA
Input	Phase	Three phase		
	Voltage	AC 260V-430V		
	Frequency	50Hz/60Hz		
Output	Voltage	AC380V±3%		
	Capacity	1.2KW	2.4KW	3.6KW
	Frequency	50Hz/60Hz		
Protection	Low Volt.	AC318V±7V		
	Over Volt.	AC426V±7V		
	Over heat	Optional		
	Cooling system	Natural cooling system(Optional)		
	Short phase	Yes		
	Delay	Within 1 sec against 10% input voltage deviation		
	By pass	Auto/Manual Optional		
	Over load/short Circuit	Yes		
Efficiency	AC-AC	>95%		
Acoustic	Noise level	≤50dB		
Environmental	Temperature	-5℃~45℃		
	Humidity	20% to 90%		
Packaging	pcs per Cartion	1		
	Shipping Wt.(KG)	28	29	31
	Package Dimensions(mm)	525*350*445	530*350*460	
QTY(pc)	20FT	320	320	150

REGIO9 TNS Servo Automatic Voltage Regulator



REG109

Main Features

- Large capacity, high precision
- Adopted compensate voltage technology
- Wide input voltage range
- Over voltage protection
- Output voltage three phase auto-balance (individual control)
- With bypass system

Product	Requirements	REG109				
Power (VA)		6KVA	9KVA	15KVA	20KVA	30KVA
Input	Phase	Three phase				
	Voltage	AC 260V-430V		AC 276V-430V		
	Frequency	50Hz/60Hz				
Output	Voltage	AC380V±3%				
	Capacity	4.8KW	7.2KW	12KW	16KW	24KW
	Frequency	50Hz/60Hz				
Protection	Low Volt.	AC318V±7V				
	Over Volt.	AC426V±7V				
	Over heat	Optional				
	Cooling system	Natural cooling system(Optional)				
	Short phase	Yes				
	Delay	Within 1 sec against 10% input voltage deviation				
	By pass	Auto/Manual Optional				
	Over load/short Circuit	Yes				
Efficiency	AC-AC	>95%				
Acourstic	Noise level	≤50dB				
Environmental	Temperature	-5℃~45℃				
	Humidity	20% to 90%				
Packaging	pcs per Carton	1				
	Shipping Wt.(KG)	51	54	89	95	110
	Package Dimensions(mm)	430*430*865		530*460*970	560*575*1150	
QTY(pc)	20FT	150	150	100	70	70

REGIIO TNS Servo Automatic Voltage Regulator



REG110

Main Features

- Large capacity, high precision
- Adopted compensate voltage technology
- Wide input voltage range
- Over voltage protection
- Output voltage three phase auto-balance (individual control)
- With bypass system

Product	Requirements	REG110		
Power (VA)		40KVA	60KVA	90KVA
Input	Phase	Three phase		
	Voltage	AC304V-456V		
	Frequency	50Hz/60Hz		
Output	Voltage	AC380V±3%		
	Capacity	32KW	48KW	72KW
	Frequency	50Hz/60Hz		
Protection	Low Volt.	AC318V±7V		
	Over Volt.	AC426V±7V		
	Over heat	Optional		
	Cooling system	Natural cooling system(Optional)		
	Short phase	Yes		
	Delay	Within 1 sec against 10% input voltage deviation		
	By pass	Auto/Manual Optional		
	Over load/short Circuit	Yes		
Efficiency	AC-AC	>95%		
Acourstic	Noise level	≤50dB		
Environmental	Temperature	-5℃~45℃		
	Humidity	20% to 90%		
Packaging	pcs per Carton	1		
	Shipping Wt.(KG)	760*710*1380		850*790*1530
	Package Dimensions(mm)	430*430*865		530*460*970
QTY(pc)	20FT	20	20	14

REG201~206 Series SVR Automatic Voltage Regulator

Main Features

- Automatic voltage regulation
- Protection against Low voltage & over voltage
- Wide input voltage range
- Short circuit & over load protection
- Selectable delay time



Product	Requirements	REG201	REG202	REG203	REG204	REG205	REG206
Power (VA)		500VA	1000VA	1500VA	2000VA	3000VA	5000VA
Input	Phase	Single phase					
	Voltage	AC150V-250V/50V-130V					
	Frequency	50Hz/60Hz					
Output	Voltage	AC220V±10%,110V±10%					
	Capacity	400W	800W	1200W	1600W	2400W	4000W
	Frequency	50Hz/60Hz					
Protection	Under Volt	AC184V±4V					
	Over Volt	AC246V±4V					
	Delay	3-7sec/3-7min(Optional)					
	Over load/short Circuit	Yes					
Efficiency	AC-AC	>95%					
Acoustic	Noise level	≤50dB					
Environmental	Temperature	-5°C~45°C					
	Humidity	20% to 90%					
Packaging	pcs per Cartion	4				1	
	Shipping Wt.(KG)	16.5	21.5	29.5	33.5	15.3	22.2
	Package Dimensions(mm)	410*340*420	435*370*475			550*390*305	
QTY(pc)	20FT	2300	1450	1450	1450	860	860

REG207~209 Series TMK Automatic Voltage Regulator

Main Features

- Automatic voltage regulation
- Protection against brownout & over voltage
- Wide input voltage range
- Short circuit & over load protection
- Analog meter display
- Selectable delay time
- Relay type
- Quick response
- Compact size, light weight



Product	Requirement	REG207	REG208		REG209	
Power (VA)		500VA	800VA	1000VA	1200VA	1500VA
Input	Product	Single phase				
	Voltage	AC140-260V				
	Frequency	50Hz/60Hz				
Output	Voltage	220V±10%				
	Capacity	400W	600W	800W	960W	1200W
	Frequency	50Hz/60Hz				
Protection	Under Volt.	Yes				
	Over Volt.	AC250V±4V				
	Delay	3-7sec/3-7min Selectable				
	Over load/short Circuit	Yes				
Efficiency	AC-AC	>95%				
Acoustic	Noise level	≤50dB				
Environmental	Temperature	-5°C~45°C				
	Humidity	20% to 90%				
Packaging	pcs per Cartion	6		4		
	Shipping Wt.(KG)	13	18	22	26	30
	Package Dimensions(mm)	360*310*395	375*315*400	435*370*470		585*450*312
QTY(pc)	20FT	3800	3550	1400	1400	1320

REG30I~303TSD Servo Automatic Voltage Regulator

Main Features

- Automatic voltage regulation
- Protection against Low voltage & over voltage
- Wide input voltage range
- Short circuit & over load protection
- Protection Selectable delay Time



REG301



REG302



REG303

Product	Requirements	REG301			REG302			REG303
		3000VA	4000VA	5000VA	6000VA	7000VA	8000VA	10000VA
Input	Phase	single phase						
	Voltage	AC150V-250V						
	Frequency	50Hz/60Hz						
Output	Voltage	AC220V±3%						
	Capacity	2400W	3200W	4000W	4800W	5600W	6400W	7200W
	Frequency	50Hz/60Hz						
Protection	Under Volt.	AC184V±4V						
	Over Volt.	AC246V±4V						
	adjust time	within 1 second against 10% input voltage variation						
	Over load/short Circuit	Yes						
Efficiency	AC-AC	≥90%						
Environmental	Temperature	-5℃~45℃						
	Humidity	20% to 90%						
Packaging	pcs per Carton	1						
	Shipping Wt.(KG)	12.5	15	17	20	23.6	26.5	33.7
	Package Dimensions(mm)	330*430*180	360*470*240					385*560*280

REG40I Superpower Voltage Regulator



REG401

Main Features

- Large capacity, high precision
- Adopted compensate voltage technology
- Wide input voltage range
- Over voltage protection
- Output voltage three phase auto-balance
- With bypass system
- Anolog, LED, LCD display optional

Product	Requirements	REG401											
		20KVA	30KVA	50KVA	100KVA	150KVA	180KVA	200KVA	250KVA	300KVA	350KVA	400KVA	
Input	Phase	Three phase											
	Voltage	AC304V-456V											
	Frequency	50Hz/60Hz											
Output	Voltage	AC380V±3%											
	Frequency	50Hz/60Hz											
	Under Volt.	AC318V±7V											
Protection	Over Volt.	AC426V±7V											
	By pass	Yes(AUTO/MANUAL Optional)											
	Over load/short Circuit	Yes											
Efficiency	AC-AC	>95%											
Acoustic	Noise level	≤50dB											
Environmental	Temperature	-5℃~45℃											
	Humidity	20% to 90%											
Packaging	pcs per Carton	1											
	Shipping Wt.(KG)	240	280	330	480	780	850	950	1050	1180	1300	1400	
	Package Dimensions (mm)	660*1480*890			750*970*1625		875*1940*1250				1355*1060*2270		

REG402 Superpower Voltage Regulator



Main Features

- Large capacity, high precision
- Adopted compensate voltage technology
- Wide input voltage range
- Over voltage protection
- Output voltage three phase auto-balance
- With bypass system
- Anolog, LED, LCD display optional

Product	Requirements			
Power (VA)		500KVA	600KVA	1000KVA
Input	Phase	Three phase		
	Voltage	AC304V-456V		
	Frequency	50Hz/60Hz		
Output	Voltage	AC380V±3%		
	Frequency	50Hz/60Hz		
Protection	Under Volt.	AC318V±7V		
	Over Volt.	AC426V±7V		
	By pass	Yes(AUTO/MANUAL Optional)		
	Over load/ short Circuit	Yes		
Efficiency	AC-AC	> 95%		
Acoustic	Noise level	≤50dB		
Environmental	Temperature	-5℃~45℃		
	Humidity	20% to 90%		
Packaging	pcs per Carton	1		
	Shipping Wt.(KG)	1600	1860	2500
	Package Dimensions(mm)	1360*1215*2350		