

Simplified just for you



Models

GAMMA SERIES-GS33

GAMMA PREMIUM SERIES-GPS33

APPLICATIONS

- > Industrial Equipments
- > Medical Equipments
- > CT Scane & MRI Machines
- > Biomedical Instruments
- > Institutions
- > Telecommunications
- > Data Centers
- > Internet Nodes/servers
- > IT Infrastructure
- > Security Systems
- > Defence Equipments
- > Digital Mini Labs
- > Banking Systems
- > Insurance & Financial Services
- > Tetra Pack Machines
- > Printing Machines
- > Embroidery Machines
- > Laser Printing Machines
- > Laser Cutting Machines

KEY FEATURES

- > Users Friendly Lcd Display
- > Pure Sine Wave Output
- > True Online Double Conversion
- > 100% Unbalanced Load Support
- > Instantaneous Wave Form Correction (optional)
- > Inbuilt Isolation Transformer
- > Cold Start Function
- > IGBT Based High Frequency PWM Inverter
- > Static Bypass (optional)
- > Inbuilt Manual Bypass Switch
- > Wide Input Voltage Range
- > Generator Compatible

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TECHNICAL SPECIFICATIONS FOR THREE PHASE INPUT THREE PHASE OUTPUT

PRODUCT DETAILS

Product Name	Online UPS Systems											
Models	Gamma Series (GS33)						Gamma Premium Series (GPS33)					
Capacity	20KVA	40KVA	60KVA	80KVA	100KVA	120KVA	10KVA	15KVA	20KVA	25KVA	30KVA	40KVA
Rectifier Based	Thyristor Based						IGBT Based					
Operating DC Voltage	360VDC - 384VDC						180VDC - 360VDC					
No. of Batteries	30 to 32						15 to 30					
Charging Current	10% of Battery AH						10% of Battery AH					

RECTIFIER SECTION

Input number of Phase	Three Phase - 5 Wire R, Y, B, N, E	Three Phase - 5 Wire R, Y, B, N, E
Input Voltage Range	370-470VAC	340-470VAC
Input Power Factor	0.7 Lead to Unity	0.92 Lead to Unity
Input THD	Less Than 3%	Less Than 3%
Input Frequency Range	50hz +/- 10%	50hz +/- 10%
AC to AC Efficiency	> 84%	> 88%
Generator Compatible	Yes	Yes

INVERTER SECTION

Switching Power Devices	IGBT Modules	IGBT Modules
Output Voltage	380vac To 415vac +/-1% (adjustable)	380vac To 415vac +/-1% (adjustable)
Output Phase	Three Phase - 5 Wire R, Y, B, N, E	Three Phase - 5 Wire R, Y, B, N, E
Output Wave Form	Pure Sine Wave	Pure Sine Wave
Output Wave Form Correction	Optional	Optional
Output Frequency	50hz +/- 0.1% In Free Running Mode	50hz +/- 0.1% In Free Running Mode
Changeover Time	Zero Second	Zero Second
Output Power Factor	0.8 Lag To Unity	0.8 Lag To Unity
Inverter Efficiency	> 92%	> 92%
Inbuilt Isolation Transformer	Yes	Yes
Crest Factor	3:1	3:1
Over Load	100% For 1 Minute, 120% Instant Trip	100% For 1 Minute, 120% Instant Trip
Total Harmonics Distortion	< 2% THD on Linear Load	< 2% THD on Linear Load
Transient Response	Output Remains Within 5% On 10% To 100% Load Change	Output Remains Within 5% On 10% To 100% Load Change
Acoustic Noise	< 60 DB At One Meter	< 60 DB At One Meter
LCD Display Parameters	Input Voltage, Output Voltage, Output Load Percentage, Battery Percentage, Charging Current, Output Frequency	Input Voltage, Output Voltage, Output Load Percentage, Battery Percentage, Charging Current, Output Frequency
LED Indications	Mains on, Charging On/Off Mains Ok, UPS On, Load On Mains, Load On Battery, Input Low/High, Output Low/High, Over Load, Battery Low, DC High, UPS Shut Down	Mains on, Charging On/Off Mains Ok, UPS On, Load On Mains, Load On Battery, Input Low/High, Output Low/High, Over Load, Battery Low, DC High, UPS Shut Down
Alarm	Input Low/High, Battery Low, DC High, Over Load, Output Low/High	Input Low/High, Battery Low, DC High, Over Load, Output Low/High
Protections	Input Low/High, Output Low/High, Over Load, Short Circuit, Battery Low, DC High Manual bypass, (Static bypass optional)	Input Low/High, Output Low/High, Over Load, Short Circuit, Battery Low, DC High Manual bypass, (Static bypass optional)
Bypass Mode		
Operating Temp	0-50 °c	0-50 °c
Protection Class	IP 20	IP 20

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Static Changeover Switch, Automatic Phase Corrector & etc.

Contact : 9773720842, 9911307372, 9717671748
indianpowersolutions2016@gmail.com
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Choose
Smart Energy



Models

BETA SERIES-BS31

BETA PREMIUM SERIES-BPS31

KEY FEATURES

- > Users Friendly Lcd Display
- > Pure Sine Wave Output
- > True Online Double Conversion
- > Instantaneous Wave Form Correction (optional)
- > Inbuilt Isolation Transformer
- > Cold Start Function
- > IGBT Based High Frequency Pwm Inverter
- > Static Bypass (optional)
- > Inbuilt Manual Bypass Switch
- > Wide Input Voltage Range
- > Generator Compatible

APPLICATIONS

- > Industrial Equipments
- > Medical Equipments
- > Biomedical Instruments
- > Institutions
- > Telecommunications
- > Data Centers
- > Internet Nodes/servers
- > IT Infrastructure
- > Security Systems
- > Defence Equipments
- > Digital Mini Labs
- > Banking Systems
- > Insurance & Financial Services
- > Printing Machines
- > Embroidery Machines
- > Laser Printing Machines
- > Laser Cutting Machines

TECHNICAL SPECIFICATIONS FOR THREE PHASE INPUT SINGLE PHASE OUTPUT

PRODUCT DETAILS

Product Name	Online UPS Systems									
Models	Beta Series (BS31)					Beta Premium Series (BPS31)				
Capacity	10-KVA	15-KVA	20-KVA	30-KVA	40-KVA	10-KVA	15-KVA	20-KVA	30-KVA	40-KVA
Rectifier Based	Thyristor Based					IGBT Based				
Operating DC Voltage	360VDC - 384VDC					180VDC - 360VDC				
No. of Batteries	30 to 32					15 to 30				
Charging Current	10% of Battery AH					10% of Battery AH				

RECTIFIER SECTION

Input Number of Phase	Three Phase - 5 Wire R, Y, B, N, E	Three Phase - 5 Wire R, Y, B, N, E
Input Voltage Range	370-470VAC	340-470VAC
Input Power Factor	0.7 Lead to Unity	0.92 Lead to Unity
Input THD	Less Than 3%	Less Than 3%
Input Frequency Range	50hz +/- 10%	50hz +/- 10%
AC To AC Efficiency	> 84%	> 88%
Generator Compatible	Yes	Yes

INVERTER SECTION

Switching Power Devices	IGBT Modules	IGBT Modules
Output Voltage	220/230/240VAC +/-1% (adjustable)	220/230/240VAC +/-1% (adjustable)
Output Phase	Single Phase - 3 Wire P,N,E	Single Phase - 3 Wire P,N,E
Output Wave Form	Pure Sine Wave	Pure Sine Wave
Output Wave Form Correction	Optional	Optional
Output Frequency	50hz +/- 0.1% in Free Running Mode	50hz +/- 0.1% in Free Running Mode
Changeover Time	Zero Second	Zero Second
Output Power Factor	0.8 Lag to Unity	0.8 Lag to Unity
Inverter Efficiency	> 92%	> 92%
Inbuilt Isolation Transformer	Yes	Yes
Crest Factor	3:1	3:1
Over Load	100% for 1 Minute, 120% Instant Trip	100% for 1 Minute, 120% Instant Trip
Total Harmonics Distortion	< 2% THD on Linear Load	< 2% THD on Linear Load
Transient Response	Output Remains within 5% On 10% To 100% Load Change	Output Remains within 5% On 10% To 100% Load Change
Acoustic Noise	< 60 DB at One Meter	< 60 DB at One Meter
LCD Display Parameters	Input Voltage, Output Voltage, Output Frequency, Output Current, Battery Voltage	Input Voltage, Output Voltage, Output Frequency, Output Current, Battery Voltage
LED Indications	Mains On, Charging On/off, DC On, Output On, Input Low/high, Output Low/high, Over Load, Battery Low, DC High	Mains On, Charging On/off, DC On, Output On, Input Low/high, Output Low/high, Over Load, Battery Low, DC High
Alarm	Input Low/High, Battery Low, DC High, Over Load, Output Low/High	Input Low/High, Battery Low, DC High, Over Load, Output Low/High
Protections	Input Low/High, Output Low/High, Over Load, Short Circuit, Battery Low, DC High	Input Low/High, Output Low/High, Over Load, Short Circuit, Battery Low, DC High
Bypass Mode	Manual Bypass, (Static Bypass, optional)	Manual Bypass, (Static Bypass, optional)
Operating Temp	0-50 °c	0-50 °c
Protection Class	IP 20	IP 20

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Continuous Energy

for a Non-Stop Work



Models

ALPHA SERIES-AS11

ALPHA PREMIUM SERIES-APS11

KEY FEATURES

- > Users Friendly Lcd Display
- > Pure Sine Wave Output
- > True Online Double Conversion
- > Instantaneous Wave Form Correction (optional)
- > Inbuilt Isolation Transformer
- > Cold Start Function
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APPLICATIONS

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TECHNICAL SPECIFICATIONS FOR SINGLE PHASE

PRODUCT DETAILS											
Product Name	Online UPS Systems										
Models	Alpha Series (AS11)					Alpha Premium Series (APS11)					
Capacity	5-KVA	7.5-KVA	10-KVA	12.5-KVA	15-KVA	5-KVA	7.5-KVA	10-KVA	12.5-KVA	15-KVA	
Rectifier Based	Thyristor Based					IGBT Based					
Operating DC Voltage	180VDC - 192VDC					96VDC -192VDC					
No. of Batteries	15 to 16					8 to 16					
Charging Current	10% of Battery AH					10% of Battery AH					
RECTIFIER SECTION											
Input Number of Phase	Single Phase - 3 Wire P,N,E					Single Phase - 3 Wire P,N,E					
Input Voltage Range	180-270VAC					180-270VAC					
Input Power Factor	0.7 Lead to Unity					0.9 Lead to Unity					
Input Thd	Less than 3%					Less than 3%					
Input Frequency Range	50hz +/- 10%					50hz +/- 10%					
Ac To Ac Efficiency	> 82%					> 85%					
Generator Compatible	Yes					Yes					
INVERTER SECTION											
Switching Power Devices	IGBT Modules					IGBT Modules					
Output Voltage	220/230/240VAC +/-1% (adjustable)					220/230/240VAC +/-1% (adjustable)					
Output Phase	Single Phase - 3 Wire P,N,E					Single Phase - 3 Wire P,N,E					
Output Wave Form	Pure Sine Wave					Pure Sine Wave					
Output Wave Form Correction	Optional					Optional					
Output Frequency	50hz +/- 0.1% in Free Running Mode					50hz +/- 0.1% in Free Running Mode					
Changeover Time	Zero Second					Zero Second					
Output Power Factor	0.8 Lag to Unity					0.8 Lag to Unity					
Inverter Efficiency	> 92%					> 92%					
Inbuilt Isolation Transformer	Yes					Yes					
Crest Factor	3:1					3:1					
Over Load	100% for 1 Minute, 120% Instant Trip					100% for 1 Minute, 120% Instant Trip					
Total Harmonics Distortion	< 2% THD on Linear Load					< 2% THD on Linear Load					
Transient Response	Output Remains within 5% On 10% To 100% Load Change					Output Remains within 5% On 10% To 100% Load Change					
Acoustic Noise	< 50 Db At One Meter					< 50 Db At One Meter					
LCD Display Parameters	Input Voltage, Output Voltage, Output Frequency, Output Current, Battery Voltage					Input Voltage, Output Voltage, Output Frequency, Output Current, Battery Voltage					
LED Indications	Mains On, Charging On, Output On, On Battery, Input Low/high, Output Low/high, Over Load, Battery Low					Mains On, Charging On, Output On, On Battery, Input Low/high, Output Low/high, Over Load, Battery Low					
Alarm	Battery Low, Overload, Output Low/High					Battery Low, Overload, Output Low/High					
Protections	Input Low/High, Output Low/High, Over Load, Short Circuit, Battery Low					Input Low/High, Output Low/High, Over Load, Short Circuit, Battery Low					
Bypass Mode	Manual Bypass, (Static Bypass, optional)					Manual Bypass, (Static Bypass, optional)					
Operating Temp	0-50 °c					0-50 °c					
Protection Class	IP 20					IP 20					

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