

Multi DSP Online UPS

MU3310 - 500kVA 3Phase



MU33 xx SERIES

MULTI Hi-Performace Online UPS

Features

- DSP-controlled technology
- Parallel redundancy up to 4 units
- Wide input voltage and frequency windows
- Easy-to-operate LCD display
- High power density up to 500kVA for space saving
- Unity power factor and low input distortion
- Output power factor at 0.8(0.9 optional)
- ECO mode for energy saving
- Common or separate battery
- Programmable battery voltage from $\pm 192Vdc$ to $\pm 240Vdc$
- Intelligent charge modes with smart charge current adjustment
- Megatec/Mod Bus protocol supported
- Powerful charger built in
- Versatile communication interfaces provided for different applications
- Superior overload capability
- Programmable control and monitoring software



Display & Control Panel

APPLICATIONS



- Industrial Equipment
- Postal & Telecommunications
- Data Center & Server Room
- Hospital, Medical Equipment
- Large Internet Computer Room
- Financial And Securities

Chuphotic UPS Product range 10KVA to 500KVA have been wide useful to protect Electronic Equipment such as Computer, Server, Networks, PABX, CCTV, Telecommunications, Medical & Scientific Equipment and Industrial Machine from Power Quality Problem in Over / Under Voltage, Blackout, Surge, Spike, Harmonic, Noise and Frequency Drift.



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 โทร 1-2553
 โทร 2-2553
 โทร 3-2555



Multi DSP Online UPS

MU33 10 - 500kVA

Technical Specifications:

MODEL	MU3310S/L	MU3315S/L	MU3320S/L	MU3330S/L	MU3340	MU3360	MU3380
Capacity (VA/Watts)	10k / 9k	15k / 13.5k	20k / 18k	30k / 27k	40k / 36k	60k / 54k	80k / 72k
INPUT							
Nominal voltage	380/400/415Vac, (3Ph+N+PE)						
Operating voltage range	208~478Vac						
Operating frequency range	40~70Hz						
Power factor	≥0.99						
Harmonic distortion (THDi)	2%(100% nonlinear load)						
Bypass voltage range	Max.voltage: 220V +25%(optional +10%,+15%,+20%) 230V 20% (optional +10%,+15%) 240V 15%(optional +10%) Min. voltage: -45% (optional -20%,-30%) Frequency protection range: ± 10%						
Generator input	Support						
OUTPUT							
Output voltage	380/400/415Vac, (3Ph+N+PE)						
Voltage regulation	± 1%						
Power factor	0.8/0.9(Customized)						
Output frequency	1.Line Mode: ± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency(optional) 2.Battery Mode: (50/60 ± 0.2%)Hz						
Crest factor	3:1						
Harmonic distortion (THDv)	≤2% with linear load ≤5% with non linear load						
Efficiency	94.5%			95%			
BATTERY							
Battery voltage	Standard unit: ± 216Vdc; Long run unit Optional Voltage: ± 192V ± 204V ± 216V ± 228V ± 240Vdc						
Battery type	12V/38Ah (standard unit)						
Charge Current(A) (charge current can be set according to battery capacity installed)	5.7A (Max./Standard unit) 6.0A (Max./Long run unit)			12A (Max.)		18A (Max.)	
SYSTEM FEATURES							
Transfer time	Utility to Battery : 0ms; Utility to bypass: 0ms						
Overload	Line Mode	Load ≤ 110%: last 60min, ≤ 125%: last 10min, ≤ 150%: last 1min, ≥ 150% turn to bypass mode immediately					
	Bat. Mode	Load ≤ 110%: last 10min, ≤ 125%: last 1min, ≤ 150%: last 5S, ≥ 150% shut down UPS immediately					
Short Circuit	Hold Whole System						
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately						
Low battery voltage	Alarm and Switch off						
Self-diagnostics	Upon Power On and Software Control						
EPO (optional)	Shut down UPS immediately						
Battery	Advanced Battery Management						
Nose Suppression	Complies with EN62040-2						
Audible & Visual	Line Failure, Battery Low, Overload, System Fault						
Status LED & LCD display	Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault						
Reading on the LCD display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature						
Communication interface	RS232,RS485,Parallel,Intelligent slot,Relay card(optional),SNMP card(optional)						
ENVIRONMENTAL							
Operating temperature	0 ~ 40°C						
Storage temperature	-25 ~ 55°C						
Humidity range	0 ~ 95% (non condensing)						
Altitude	< 1500m						
Noise level	< 55dB						
PHYSICAL							
Dimension D × W × H (mm)	780 × 600 × 1200						
Net weight (kg)	S:598	S:600	S:602	S:603	170	172	199
	H:129	H:131	H:133	H:134			
STANDARDS							
Safety	IEC/EN62040-1,IEC/EN60950-1						
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8						

Specifications are subject to change without prior notice.

Chuphotic.BRO-64.Multi DSP.Rev1.00/2020

Multi DSP Online UPS

MU33 10 - 500kVA

Technical Specifications:

MODEL	MU33100	MU33120	MU33160	MU33200	MU33250	MU33300	MU33400	MU33500
Capacity (VA/Watts)	100k / 90k	120k / 108k	160k / 144k	200k / 180k	250k / 225k	300k / 270k	400k / 360k	500k / 450k
INPUT								
Nominal voltage	380/400/415Vac, (3Ph+N+PE)							
Operating voltage range	208~478Vac							
Operating frequency range	40~70Hz							
Power factor	≥0.99							
Harmonic distortion (THDi)	3%(100% nonlinear load)							
Bypass voltage range	Max.voltage: 220V +25%(optional +10%,+15%,+20%) 230V +20% (optional +10%,+15%) 240V +15%(optional +10%) Min. voltage: -45% (optional -12%,-20%,-30%) Frequency protection range: ±10%							
Generator input	Support							
OUTPUT								
Output voltage	380/400/415Vac, (3Ph+N+PE)							
Voltage regulation	±1%							
Power factor	0.8 / 0.9(Customized)							
Output frequency	1.Line Mode: ±1%/ ±2%/ ±4%/ ±5%/ ±10% of the rated frequency(optional) 2.Battery Mode: (50/60 ±0.2%)Hz							
Crest factor	3:1							
Harmonic distortion (THDv)	≤2% with linear load ≤5% with non linear load							
Efficiency	95%							
BATTERY								
Battery voltage	Standard unit: ±216Vdc; Long run unit Optional Voltage: ±192V / ±204V / ±216V / ±228V / ±240Vdc							
Charge Current(A) (charge current can be set according to battery capacity installed)	30A(Max.)	40A(Max.)	50A(Max.)	70A(Max.)	80A(Max.)	100(Max.)	130A(Max.)	
SYSTEM FEATURES								
Transfer time	Utility to Battery : 0ms; Utility to bypass: 0ms							
Overload	Line Mode	Load ≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% turn to bypass mode immediately						
	Bat. Mode	Load ≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% shut down UPS immediately						
Short Circuit	Hold Whole System							
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately							
Low battery voltage	Alarm and Switch off							
Self-diagnostics	Upon Power On and Software Control							
EPO (optional)	Shut down UPS immediately							
Battery	Advanced Battery Management							
Nose Suppression	Complies with EN62040-2							
Audible & Visual	Line Failure, Battery Low, Overload, System Fault							
Status LED & LCD display	Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault							
Reading on the LCD display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature							
Communication interface	USB,RS232,RS485,Parallel,Intelligent slot,Relay card(optional),SNMP card(optional)							
ENVIRONMENTAL								
Operating temperature	0 ~ 40°C							
Storage temperature	-25 ~ 55°C							
Humidity range	0 ~ 95% (non condensing)							
Altitude	<1500m							
Noise level	<65dB			<70dB		<73dB		
PHYSICAL								
Dimension D × W × H (mm)	850 × 600 × 1600				850 × 600 × 2000		850 × 1200 × 2000	
Net weight (kg)	320	322	360	415	555	590	880	980
STANDARDS								
Safety	IEC/EN62040-1,IEC/EN60950-1							
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8							

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บริษัท ชูปัททิก จำกัด

949 หมู่ 9 ต.ลำโพงเหนือ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270

โทรศัพท์: 02 186 3010 แฟกซ์: 02 186 3018-9

www.chuphotic.com

E-mail: ups@chuphotic.com

ตัวแทนจำหน่าย :