Info-Matic Power Sdn Bhd

Supernova Series

10~500kVA

3:3 phase PF:0.8/0.9

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 ± 192Vdc to ± 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

Control Panel

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Technical Specifications:

Model	33010	33015	33020	33030	33040	33060	33080
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						
Overload – 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℃						
Storage temperature	−25~55℃						
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 H:129	S:600 H:131	S:602 H:133	S:603 H:134	170	172	199
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.

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Technical Specifications:

Model	33100	33120	33160	33200	33300	33400	33500
Capacity (VA/Watts)	100k/90k	120k/108k	160k/144k	200k/180k	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 −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)	24A(Max.)		36A(Max.)	50A(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						
Overload — Bat. Mode	Load⩽110%: last 10min,⩽125%: last 1min, ⩽150%: last 5S,⩾150% shut down UPS immediately				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℃						
Storage temperature	−25~55℃						
Humidity range	0~95% (non condensing)						
Altitude	<1500m						
Noise level	70dB				73dB		
PHYSICAL							
Dimension D×W×H (mm)	780×600×1600			850×600×1600	850×600×2000	850×1200×2000	
Net weight (kg)	288	290	371	380	575	815	860
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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