

Durable Series

DS-I33 Series is employing advanced technologies to increase performance and reliability for dealing with demanding power situations.

Friendly interfaces provide users with real-time status and historical logs.

Depending on load conditions, parallel availability raises output capacity and offers redundancy alternative.

DS- I33 10K-40K



Features

- Excellent load capability.
- Wide range of input voltage and frequency adaptability.
- Saving energy with high efficiency.
- Fuel generator compatibility.
- Parallel function option.
- Intelligent battery management scheme.
- Events and logs recording.
- Easy maintenance with modularized subsystems.
- Enhanced reliability with redundancy design and cooling system.
- Friendly human-machine interface with LCD screen and keys.
- EPO button on front panel for emergency shutdown.
- Various optional accessories.

Specifications

Model Name	DS10000I33	DS15000I33	DS20000I33	DS30000I33	DS40000I33
Topology	True On-Line, Double Conversion				
On-battery Output Waveform	Sine Wave				
Maximum Capacity	10KVA/9KW	15KVA/13.5KW	20KVA/18KW	30KVA/27KW	40KVA/36KW
INPUT					
Voltage	380/400/415 3P4W+G				
Power factor	>0.99				
THDI	<3%				
Voltage range	+25% ~ -40% full load ; -20% ~ +40% power derating between 100% to 70%				
Frequency range	40 ~ 70Hz				
OUTPUT					
Voltage precision	±0.5% (balance load), 1% (unbalance load)				
voltage transient	5%(0~100% load step)				
THDV	THD<1%(linear load), THD<5%(nonlinear load)				
Power factor	0.9				
Frequency tracking range	50/60Hz±3Hz, adjustable				
Frequency precision (free running)	±0.01%				
Phase tolerance	120°±0.5° (balance and unbalance load)				
Voltage unbalance degree (100% unbalance load)	±1%				
Frequency tracking speed	0.1Hz/s to 5Hz/s, adjustable				
Crest factor	3:1				
BYPASS					
Bypass overload capability	125%, long time operation				
	125%< load <130%, last for more than 1 hour				
	130%<load<150%,last for more than 6 minutes				
	>1000%, last for more than 100ms				
BATTERY					
Battery mode efficiency	95%				
Battery configuration	12V, 40PCS				
Battery voltage	±240VDC				
Charger power	20% Power				
Charger voltage precision	1%				
ADVANCED WARNINGS DIAGNOSTICS					
Display	LCD+LED, keyboard				
Interface (Communication Ports)	RS232,RS485,Dry contacts,SNMP card,EPO,Generator interface				
PROTECTION					
Overload capability	105% long time operation				
	110%, transfer to bypass after 1hour				
	125%, transfer to bypass after 10 minutes				
	< 150%, transfer to bypass after 1 minute				
	>150%, transfer to bypass after 200ms				
ENVIRONMENTAL					
Dielectric strength	(input,output to PE)2820Vdc, leakage current lower than 3.5mA, no flashover in 1 minute				
Surge protection	Comply with IEC60664-1 class IV, endure surge of 1.2/50us + 8/20us higher than 6KV/3KA				
IP class	IP20				
Operation temperature	0-40°C				
Relative humidity	0-90% (non-condensing)				
Noise(dB)	< 55dB				
PHYSICAL					
Dimensions	250×660×530 mm		250×680×770 mm		250×836×770 mm
Weigh	30kg		51kg		61kg
CONFORMANCE					
Approvals	CE				

Specifications are subject to change without notice.