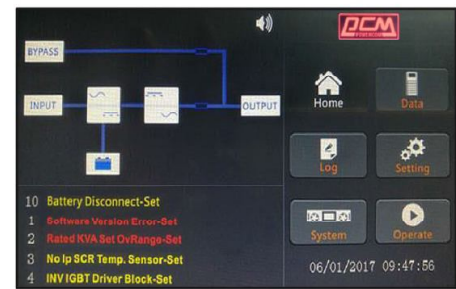


VGDII-33

Ideal application for IDC (Internet Data Center), ISP, IT Room, Service Center and any other Intelligent equipments



Advanced LCD Touch screen

Main Feature

• Excellent Power Adaptability

Voltage Range: 228-478 VAC

Frequency Range: 40-70Hz (Generator acceptable)

THDi < 3%

• Expandable Charging Function

Charging current adjustable from LCD

Charging power up to 20% system power

Charging modular 15 or 50A adaptable (option)

• Advance Energy Technology

Parallel up to 8 units (10K-40KVA)

Parallel up to 1500KVA (60-500KVA)

High Energy efficiency up to 96%

Hot swap function available (option)

• Thoughtful User Interface

Up to 10.4 inches LCD Touch screen

Visualized UPS status

Front and back door for easy maintenance

• Compact Size

High Power density maximum up to 405 kW/m²

Battery Q'ty adjustable

Top / bottom wire entry available (option)

• High Environment Adability

High heat dissipation efficiency

Coating guarantees reliability

No load self burn-in test available

• Additional function available (option)

Isolation Transformer available

Load Bus Synchronization system (LBS) available

Battery Temperature Sensor for ABM system available



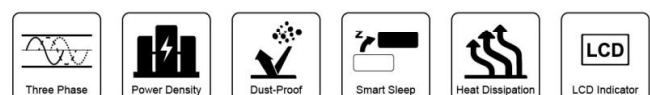
10-40KVA



60-120KVA



200-500KVA



Specifications

Model Name	VGDI-10K33	VGDI-15K33	VGDI-20K33	VGDI-30K33	VGDI-40K33
Capacity					
Capacity (VA)	10 KVA	15 KVA	20 KVA	30 KVA	40 KVA
Capacity (Watts)	10 KW	15 KW	18 KW	27 KW	36 KW
Power Factor	1.0	1.0	0.9	0.9	0.9
Main Input					
Grid System	3 Phases + Neutral + Ground				
Voltage	380 / 400 / 415VAC (Line-Line)				
Voltage Range	Full Load : 304 to 478VAC (Line-Line) Other : 228 to 478VAC (Line-Line) (load decreases linearly according to the min phase voltage)				
Frequency	50 / 60Hz				
Frequency Range	40Hz to 70Hz				
Power Factor	>0.99				
Current THDi	<4% (full Linear Load)		<3% (full Linear Load)		
Output					
Inverter Voltage	380 / 400 / 415VAC (Line-Line)				
Inverter Frequency	50 / 60Hz				
Output Power Factor	1		0.9		
Voltage Precision	±1.5% (0-100% Linear Load)				
Transient Response	<5% for step load (20% -> 80% -> 20%)				
Transient Recovery	< 30ms for step load (0% -> 100% -> 0%)				
Output THDv	<1% (linear load) <5.5% (non-linear load) according to IEC/EN62040-3		<1% (linear load) <6 (non-linear load) according to IEC/EN62040-3		
Inverter Overload	100% to 110%, 60min 110% to 125%, 10min 125% to 150%, 1min				
Frequency Regulation	50 / 60Hz ±0.1%				
Synchronized Range	Default Range : ±3 Hz Settable Range : ±0.5 Hz to ±5 Hz				
Synchronized Slew Rate	Default Range : 0.5 Hz/s Settable Range : 0.5 Hz/s to 3 Hz/s				
Battery And Charger					
Battery Voltage	±240VDC (12V 20+20pcs)				
Charger Voltage Precision	1%				
Charger Power	MAX = 20% System Power				
Bypass Input					
Voltage	380 / 400 / 415VAC (Line-Line)				
Voltage Range	Default : -20% to +15% Selectable Upper Limit : +10%, +15%, +20%, +25% Selectable Lower Limit : -10%, -15%, -20%, -30%, -40%				
Frequency	50 / 60Hz				
Frequency Range	Selectable Range: ± 1Hz, ± 3Hz, ± 5Hz				
Bypass Overload	125% Long Time Operation 125% to 130% for 10min 130% to 150% for 1min				
Efficiency					
Normal Operation	95.0% MAX		>95%		>96%
Battery Operation	94.5% MAX		>95%		>96%
Static Transfer Switch					
Inverter to Bypass	0 ms				
Bypass to Inverter	0 ms				
Transfer Efficiency	> 99%				
Environmental					
Operation Temperature	0 ~ 40°C				
Storage Temperature	-40 ~ 70°C				
Relative Humidity	0 ~ 95% (Non condensing)				
Noise (1m from surface)	58dB @ 100% load / 52dB @ 45% load		65dB @ 100% load / 62dB @ 45% load		
Altitude	Normal Load: <1000m Load derated 1% per 100m From 1000 to 2000m				
Physical Data					
Dimension(WxDxH)(mm)	250 x 840 x 715	250 x 840 x 715	350 x 738 x 1335	350 x 738 x 1335	500 x 840 x 1400
Weight(kg)(Without Battery)	51.5	51.5	89	89	140
System					
Display	LCD Touch Screen				
Parallel Cabinet Q'ty	8	8	8	8	8
Interface	Standard : RS232 / RS485 Optional : SNMP / Dry Contact				
Other Function	Standard : Battery Cold Start Optional : Parallel Kit				

** Specifications are subject to change without further notice.

** Specifications are for reference, actual information should be based on real product.

Specifications

Model Name	VGDII-60K33	VGDII-80K33	VGDII-90K33	VGDII-100K33	VGDII-120K33
Capacity					
Capacity (VA)	60 KVA	80 KVA	90 KVA	100 KVA	120 KVA
Capacity (Watts)	54 KW	72 KW	81 KW	90 KW	108 KW
Power Factor	0.9				
Main Input					
Grid System	3 Phases + Neutral + Ground				
Voltage	380 / 400 / 415VAC (Line-Line)				
Voltage Range	Full Load : 304 to 478VAC (Line-Line) Other : 228 to 478VAC (Line-Line) (load decreases linearly according to the min phase voltage)				
Frequency	50 / 60Hz				
Frequency Range	40Hz to 70Hz				
Power Factor	>0.99				
Current THDi	<3% (full Linear Load)				
Output					
Inverter Voltage	380 / 400 / 415VAC (Line-Line)				
Inverter Frequency	50 / 60Hz				
Output Power Factor	0.9				
Voltage Precision	±2% (0-100% Linear Load)				
Transient Response	<5% for step load (20% -> 80% -> 20%)				
Transient Recovery	< 30ms for step load (0% -> 100% -> 0%)				
Output THDv	<1.5% (Linear load) <6% (non-linear load) according to IEC/EN62040-3				
Inverter Overload	100% to 110%, 60min 110% to 125%, 10min 125% to 150%, 1min Over 150% , 200ms				
Frequency Regulation	50 / 60Hz ±0.1%				
Synchronized Range	Default Range : ±3 Hz Settable Range : ±0.5 Hz to ±5 Hz				
Synchronized Slew Rate	Default Range : 0.5 Hz/s Settable Range : 0.5 Hz/s to 3 Hz/s				
Battery And Charger					
Battery Voltage	±240VDC (12V 20+20pcs)				
Charger Voltage precision	1%				
Charger Power	MAX = 20% System Power				
Bypass Input					
Voltage	380 / 400 / 415VAC (Line-Line)				
Voltage Range	Default : -20%, +15% Selectable Upper Limit : +10%, +15%, +20%, +25% Selectable Lower Limit : -10%, -15%, -20%, -30%, -40%				
Frequency	50 / 60Hz				
Frequency Range	Selectable Range: ± 1Hz, ± 3Hz, ± 5Hz				
Bypass Overload	125% for Long Time Operation 125% to 130% for 10min 130% to 150% for 1min Over 150% for 300ms				
Efficiency					
Normal Operation	>95%	>96%	>95%	>96%	>95%
Battery Operation	>95%	>96%	>95%	>96%	>95%
Static Transfer Switch					
Inverter to Bypass	0 ms				
Bypass to Inverter	0 ms				
Transfer Efficiency	> 99%				
Environmental					
Operation Temperature	0 ~ 40°C				
Storage Temperature	-40 ~ 70°C				
Relative Humidity	0 - 95% (Non condensing)				
Noise (1m from surface)	65dB @ 100% load / 62dB @ 45% load				
Altitude	Normal Load: <1000m Load derated 1% per 100m From 1000 to 2000m				
Physical data					
Dimension(W x D x H)(mm)	600 x 980 x 950	600 x 980 x 1150	600 x 980 x 1400	600 x 980 x 1150	600 x 980 x 1400
Weight(kg)(Without Battery)	170	210	231	210	266
System					
Display	LCD Touch Screen				
Parallel Cabinet Q'ty	8	8	7	8	7
Interface	Standard : RS232 / RS485 / USB Optional : SNMP / Dry Contact				
Protections	Optional : Lightning Protection Cmponents / Dust Filter				
Other Function	Optional : Battery Cold Start / Parallel Kit / Load Bus Synchronization				

** Specifications are subject to change without further notice.

** Specifications are for reference, actual information should be based on real product.

Specifications

Model Name	VGDII-150K33		VGDII-200K33		VGDII-250K33		VGDII-300K33		VGDII-400K33		VGDII-500K33	
Capacity												
Capacity (VA)	150 KVA		200 KVA		250 KVA		300 KVA		400 KVA		500 KVA	
Capacity (Watts)	135 KW		180 KW		225 KW		270 KW		360 KW		450 KW	
Power Factor	0.9											
Main Input												
Grid System	3 Phases + Neutral + Ground											
Voltage	380 / 400 / 415VAC (Line-Line)											
Voltage Range	Full Load : 304 to 478VAC (Line-Line) (load decreases linearly according to the min phase voltage) Other : 228 to 478VAC (Line-Line)											
Frequency	50 / 60Hz											
Frequency Range	40Hz to 70Hz											
Power Factor	>0.99											
Current THDi	<3% (full Linear Load)											
Output												
Inverter Voltage	380 / 400 / 415VAC (Line-Line)											
Inverter Frequency	50 / 60Hz											
Output Power Factor	0.9											
Voltage Precision	±2% (0-100% Linear Load)											
Transient Response	<5% for step load (20% -> 80% -> 20%)											
Transient Recovery	< 30ms for step load (0% -> 100% -> 0%)											
Output THDv	<1.5% (Linear Load) <6% (non-linear load) according to IEC/EN62040-3											
Inverter Overload	100% to 110%, 60min 110% to 125%, 10min 125% to 150%, 1min Over 150% , 200ms											
Frequency Regulation	50 / 60Hz ±0.1%											
Synchronized Range	Default Range : ±3 Hz Settable Range : ±0.5 Hz to ±5 Hz											
Synchronized Slew Rate	Default Range : 0.5 Hz/s Settable Range : 0.5 Hz/s to 3 Hz/s											
Battery And Charger												
Battery Voltage	±240VDC (12V 20+20pos)											
Charger Voltage precision	1%											
Charger Power	MAX = 20% System Power											
Bypass Input												
Voltage	380 / 400 / 415VAC (Line-Line)											
Voltage Range	Default : -20%, +15% Selectable Upper Limit : +10%, +15%, +20%, +25% Selectable Lower Limit : -10%, -15%, -20%, -30%, -40%											
Frequency	50 / 60Hz											
Frequency Range	Selectable Range: ± 1Hz, ± 3Hz, ± 5Hz											
Bypass Overload	125% for Long Time Operation 125% to 130% for 10min 130% to 150% for 1min Over 150% for 300ms				110% for Long Time Operation 110% to 125% for 5min 125% to 150% for 1min Over 150% for 1s							
Efficiency												
Normal Operation	>96%											
Battery Operation	>96%											
Static Transfer Switch												
Inverter to Bypass	0 ms											
Bypass to Inverter	0 ms											
Transfer Efficiency	> 99%											
Environmental												
Operation Temperature	0 ~ 40°C											
Storage Temperature	-40 ~ 70°C											
Relative Humidity	0 ~ 95% (Non condensing)											
Noise (1m from surface)	65dB @ 100% load / 62dB @ 45% load Normal Load: <1000m											
Altitude	Load derated 1% per 100m From 1000 to 2000m											
Physical data												
Dimension (WxDxH) (mm)	650 x 960 x 1600		650 x 960 x 1600		650 x 960 x 2000		650 x 960 x 2000		1300 x 1100 x 2000		1300 x 1100 x 2000	
Weight (kg)(Without Battery)	305		350		445		490		810		900	
System												
Display	LCD Touch Screen											
Parallel Cabinet Q'ty	7		7		5		5		3		3	
Interface	Standard : RS232 / RS485 / USB Optional : SNMP / Dry Contact											
Protections	Optional : Lightning Protection Cmponents / Dust Filter											
Other Function	Optional : Battery Cold Start				Standard : Battery Cold Start Optional : Parallel Kit / Load Bus Synchronization							

** Specifications are subject to change without further notice.

** Specifications are for reference, actual information should be based on real product.