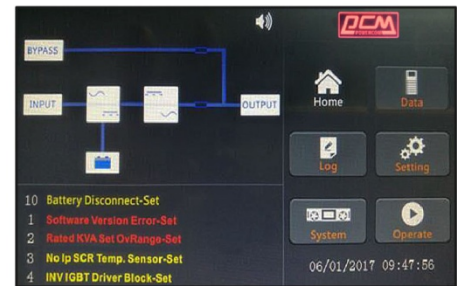


VGDI-33

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



Three Phase



Power Density



Dust-Proof



Smart Sleep



Heat Dissipation



LCD Indicator

Specifications

Model	VGD II 150K33	VGD II 200K33	VGD II 250K33	VGD II 300K33	VGD II 400K33	VGD II 500K33
Capacity						
Capacity (VA)	150 KVA	200 KVA	250 KVA	300 KVA	400 KVA	500 KVA
Capacity (Watts)	150 KW	200 KW	250 KW	300 KW	400 KW	500 KW
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	1*					
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%, 30 min					
	110% to 125%, 30-5 min					
	125% to 150%, 5 min-10 sec					
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		110% for Long Time Operation			
	125% to 130% for 10min		110% to 125% for 5min			
	130% to 150% for 1min		125% to 150% for 1min			
	Over 150% for 300ms		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					
Altitude	Normal Load: <1000m					
	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	LED & 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 Components / Dust Filter					
Other Function	Optional : Battery Cold Start		Standard : Battery Cold Start			
	Optional : Parallel Kit / Load Bus Synchronization					

* 20-40KVA model performed PF 0.9 in 30-40°C environmental temperature.

** Specifications are subject to change without further notice.

** Specifications are for reference, please refer to information based on real product.