CanadaVFD： specialized in

Regenerative Brake System

& Grid connected DC-AC converting

Since year 2001

from 2hp to 4 Mw

1000+ in stock, 200,000+ in operation

Featured Services, 2018

OEM Services

From Designing to Manufacturing

*** Build your own Brand with 100% Quality**

*** Reduce your Budget by 70%**

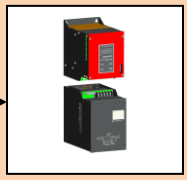
Featured Products, 2018

*** Replace Resistor Chopper with**

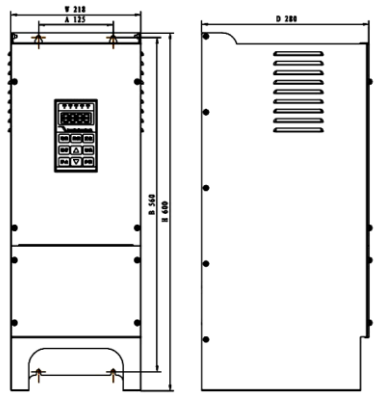
Regenerative DB from only $199

CanadaVFD series

Regeneration Solutions

- **Elevator & Escalator**
  @Recover 30% Energy
  Extra low noise
  - **Floor mounted: IP54**
    Recover 30% energy
    for existing elevators
    
    Page 03
  - **Wall mounted: IP20**
    Recover 30% energy
    for existing elevators
    Page 04
    
  - **In Cabinet Model: IP00**
    for NEW elevators
    
    Page 05
  - **Integrated: ONE regenerative unit**
    for every 2-6 elevators
    Page 06
    
  - **Elevator Emergency Rescue Power**
    Save 20,000-40,000 kwH
    in its life time
    
    Page 07
- **Servo & CNC**
  @Recover 25% Energy
  Super fast response
  Page 09
  
- **General Industrial**
  @Plug & Play
  Everything is built-in
  Page10 **up to 500hp**
  
- **Mega Power for Traction Drives**
  3-level Inverter
  Up to 4Mw 1500Vdc
  

1, **Regenerative Dynamic Brakes** for **Elevators /Escalators**, recover 30% energy. Floor-mounted

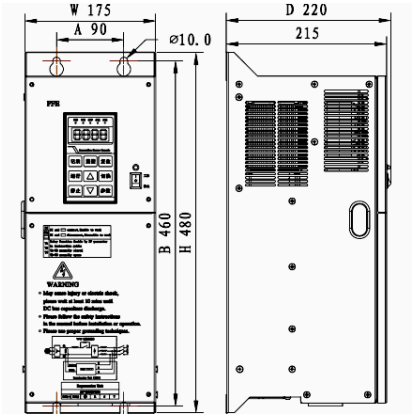
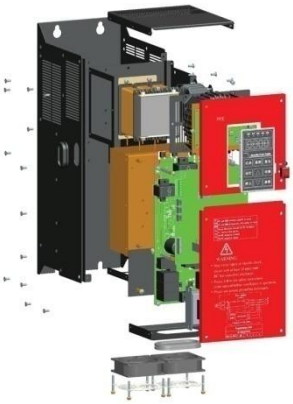
Dimensions	3D illustration	Photo
		VFD  with built-in EMI filters and line reactors

Model	Grid Voltage 50/60HZ	Rated Current A continuous	Peak Current A 30 seconds	Gearless traction motor (KW)	Traction motor with gears (KW)	Dimensions: W x D x H (mm)
VFD-02-7P5DNC	200-240Vac	7.5A	17A	3.7kw	5.5kw	W218*D280*H600
VFD-02-011DNC	200-240Vac	11A	22A	5.5kw	7.5kw	W218*D280*H600
VFD-02-015DNC	200-240Vac	15A	27A	7.5kw	11kw	W218*D280*H600
VFD-02-018DNC	200-240Vac	18A	30A	11kw	15kw	W218*D280*H600
VFD-02-022DNC	200-240Vac	22A	35A	15kw	18.5kw	W218*D280*H600
VFD-02-FSPDNC	200-240Vac	22A	45A	11-18.5kw	11-22kw	W218*D280*H600

Model	Grid Voltage	Rated Current A continuous	Peak current A 30 seconds	Gearless traction motor	Traction motor with gears	Dimensions: W x D x H (mm)
VFD-04-7P5DNC	360-460Vac	7.5A	11A	3.7kw	5.5kw	W218*D280*H600
VFD-04-011DNC	360-460Vac	11A	15A	5.5kw	7.5kw	W218*D280*H600
VFD-04-015DNC	360-460Vac	15A	18A	7.5kw	11kw	W218*D280*H600
VFD-04-018DNC	360-460Vac	18A	20A	11kw	15kw	W218*D280*H600
VFD-04-022DNC	360-460Vac	22A	24A	15kw	18.5kw	W218*D280*H600
VFD-04-FSPDNC	360-460Vac	22A	27A	11-18.5kw	11-22kw	W218*D280*H600

Specifications	
Grid Voltage	3-phase, 200-240Vac, 360-460Vac
Grid Frequency	45-65HZ
Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in EMI filters and Line Reactors
Braking Voltage Level Setting	357Vdc +-120Vdc adjustable@200Vac 617Vdc +-120Vdc adjustable@400Vac
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Display	LED numerical coded display: Grid statue, fault, voltage and current, all settings parameters
Input controls	Digit input, 10mA, Inverter enable / disable
Output controls	1 normal open, 1 normal close, 1A 250V relay, Programmable.
Working conditions	<1000m, -10-+40C, <90%, no condensing, 0.5G
Case / Enclosure Ratings	IP54 / IP54 (Powder coating carbon steel)
Storage	-40-+50C, Relative humidity 5-95%
Users' manual	English
Panel printing Languages	Standard English. Optional: Japanese, Chinese, Spanish, French

2, Regenerative Dynamic Brakes for **Elevators /escalators**, save 30% energy. Wall-mounted models

Dimensions	3D illustration	Photo
		VFD  with built-in EMI filters and line reactors

Model	Grid Voltage 50/60HZ	Rated Current A continuous	Peak Current A 30 seconds	KW Gearless traction motor	KW Traction motor with gears	Dimensions: W x D x H (mm)
VFD-02-SSWM	200-240Vac	7.5A	17A	up to 7.5kw	up to 11kw	W175*D220*H470
VFD-02-MSWM	200-240Vac	15A	27A	up to 11kw	up to 15kw	W175*D220*H470
VFD-02-LASWM	200-240Vac	22A	35A	up to 15kw	up to 18.5kw	W175*D220*H470

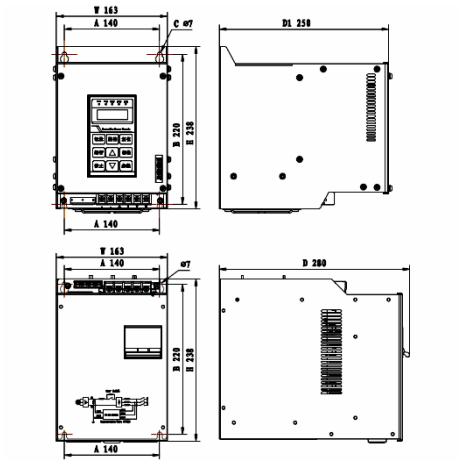
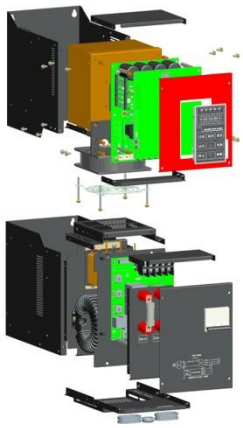
Model	Grid Voltage	Rated Current A continuous	Peak current A 30 seconds	KW Gearless traction motor	KW Traction motor with gears	Dimensions: W x D x H (mm)
VFD-04-SSWM	360-460Vac	15A	18A	up to 11kw	up to 15kw	W175*D220*H470
VFD-04-MSWM	360-460Vac	18A	22A	up to 15kw	up to 18.5kw	W175*D220*H470
VFD-04-LASWM	360-460Vac	22A	27A	up to 18.5kw	up to 22kw	W175*D220*H470

Specifications	
Grid Voltage	3-phase, 200-240Vac, 360-460Vac
Grid Frequency	45-65HZ
Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in EMI filters and Line Reactors
Braking Voltage Level Setting	357Vdc +-120Vdc adjustable@200Vac 617Vdc +-120Vdc adjustable@400Vac
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Display	LED numerical coded display: Grid statue, fault, voltage and current, all settings parameters
Input controls	Digit input, 10mA, Inverter enable / disable
Output controls	1 normal open, 1 normal close, 1A 250V relay, Programmable.
Working conditions	<1000m, -10-+40C, <90%, no condensing, 0.5G
Case / Enclosure Ratings	IP20 (Powder coating carbon steel)
Storage	-40-+50C, Relative humidity 5-95%
Users' manual	English
Panel printing Languages	Standard English. Optional: Japanese, Chinese, Spanish, French

3, **Regenerative Dynamic Brakes** for **elevators and escalators,**

@ In **Cabinet models. Designed for Elevator Manufacturers or Elevator System Integrations.**

Highlights: Two-part configuration: Electronic parts and EMI filter/reactor parts are detachable.

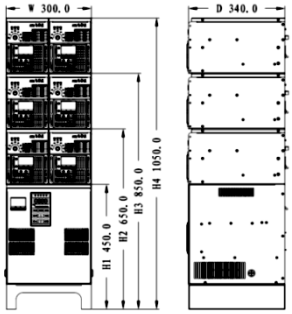
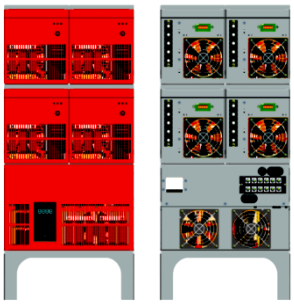
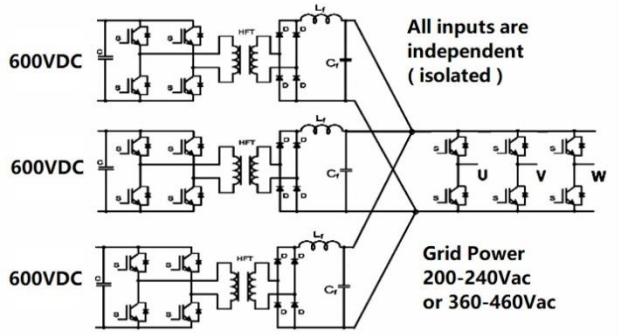
Dimensions	3D illustration	Photo
		VFD  Inverter and EMI filters / reactors detachable

Model	Grid Voltage 45-65HZ	Rated Current A continuous	Peak current A 30 seconds	KW Gearless traction motor	KW Traction motor with gears	Dimensions: W x D x H (mm)
VFD-2ND-VR01	**200-240Vac**	**7.5A**	**22A**	**3.7-7.5kw**	**3.7-11kw**	inverter W163*D250*H238
VFD-2ND-VR02	**200-240Vac**	**18A**	**35A**	**11-18.5kw**	**15-22kw**	
VFD-4ND-VR01	**360-460Vac**	**7.5A**	**15A**	**3.7-7.5kw**	**3.7-11kw**	filters/reactors W163*D280*H238
VFD-4ND-VR02	**360-460Vac**	**18A**	**27A**	**11-18.5kw**	**15-22kw**	

Specifications	
Grid Voltage	3-phase, 200-240Vac, 360-460Vac
Grid Frequency	45-65HZ
Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in EMI filters and Line Reactors
Braking Voltage Level Setting	357Vdc +-120Vdc adjustable@200Vac 617Vdc +-120Vdc adjustable@400Vac
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Display	LED numerical coded display: Grid statue, fault, voltage and current, all settings parameters
Input controls	Digit input, 10mA, Inverter enable / disable
Output controls	1 normal open, 1 normal close, 1A 250V relay, Programmable.
Working conditions	<1000m, -10-+40C, <90%, no condensing, 0.5G
Case / Enclosure Ratings	**IP00** (Powder coating carbon steel)
Storage	-40-+50C, Relative humidity 5-95%
Users' manual	English
Panel printing Languages	Standard English. Optional: Japanese, Chinese, Spanish, French

4, Integrated Energy Recovering System for **2- 6 elevators**. (Regenerative braking)

@ 100% Electrically insulated, save 17,520 kwH each year. Best for multi-elevator high-rise buildings.

Dimensions	3D illustration	Photo
		VFDK  **with built-in EMI filters and line reactors**
		

Model VFDK	Voltage	Rated Current A continuous	Peak current A 30 seconds	note 1	note 2	Dimensions: W x D x H (mm)
DC-AC Inverter	**360-460Vac**	**AC 30A**	**AC 45A**	up to 6 elevators. Gearless Traction motors up to 11kw each	up to 6 elevators. Traction motors with gears up to 15kw each	W300*D340*H450
DC convertor	**500-760Vdc**	**DC 10A**	**DC 15A**			W150*D340*H200

@ VFDK recovers energy for **2-6 elevators** , **every elevator is 100% insulated electrically .**
@ The recovered energy can be connected and fed **to any three-phase GRID power**.
@ Save 60% installation space.

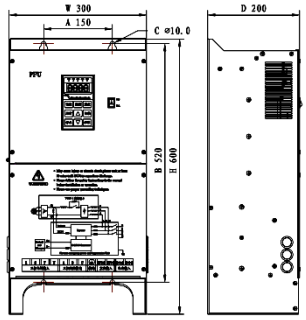
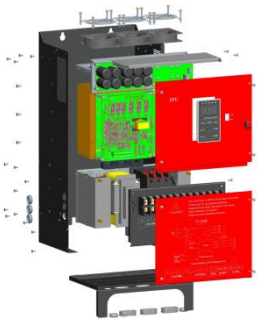
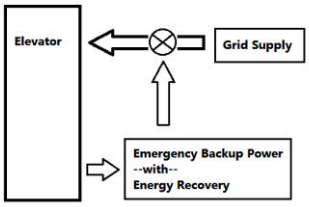
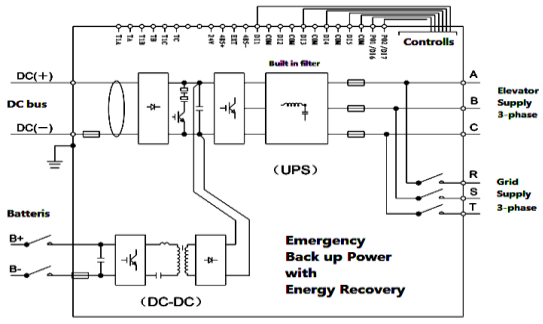
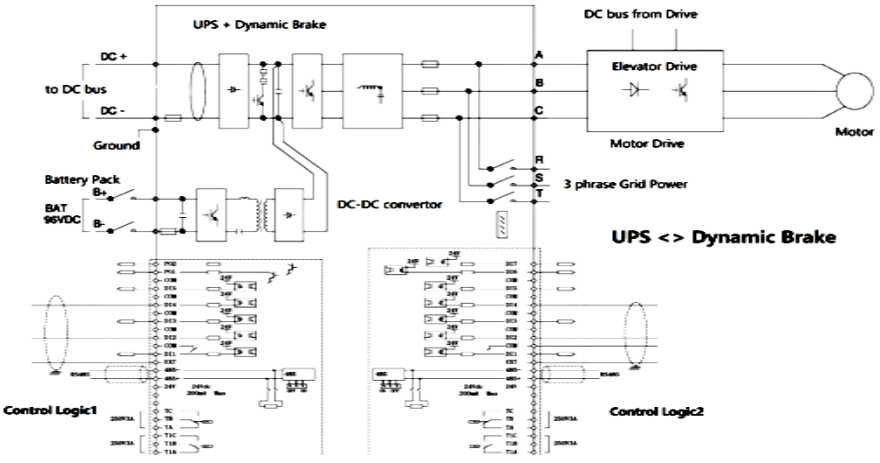
Specifications	
Grid Voltage	3-phase, 200-240Vac, 360-460Vac. 45-65HZ
3-phrase Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in EMI filters and Line Reactors
DC-DC inverter	610Vdc -760Vdc adjustable, each unit is independent and electrically insulated
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Display	LED numerical display, voltage and current, all settings and parameters
Input controls	Enable / disable
Output controls	1, Enable / disable. 2, NO/NC Relay outputs, programmable
Working conditions	<1000m, -10-+40C, <90%, no condensing, 0.5G
Enclosure Ratings	IP 20 (Powder coating carbon steel)
Storage	-40-+50C, Relative humidity 5-95%
Users' manual	English
Panel printing Languages	Standard English. Optional: Japanese, Chinese, Spanish, French

5, VFDU: Elevator Emergency Rescue Power with full Energy Recovery.

@ Save up to 40,000 kwH electricity in its life time

When grid power is normal, VFDU works as a dynamic energy recovery equipment.

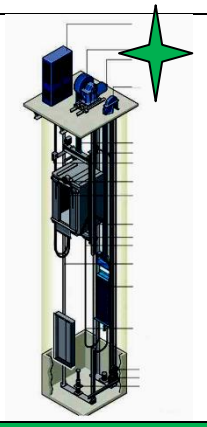
When grid power is in failure, VFDU works as an Emergency Rescue Power (EPs, ARD or UPS)

Dimensions	3D illustration	Photo
		VFDU  with built-in EMI filters and line reactors
		
		

A Combination of EPS/ARD/ **UPS and Regenerative Dynamic Brake**

Model	Grid Power	Traction Motor（KW）		Dynamic Brake A @DT=25%	UPS Rated KW(400Vac)	UPS Peak KW(400Vac)	Battery Bank
		With Gears	Gearless				
VFDU-04-7P5P9624	340-460Vac	7.5kw	5.5kw	11A(ac)	3kw	5kw	48/96VDC
VFDU-04-011P9624	340-460Vac	11kw	7.5kw	15A(ac)	3kw	5kw	48/96VDC
VFDU-04-015P9624	340-460Vac	15kw	11kw	18.5A(ac)	3kw	5kw	48/96VDC
VFDU-04-018P9624	340-460Vac	18.5kw	15kw	22.5A(ac)	3kw	5kw	48/96VDC
VFDU-04-022P9626	340-460Vac	22kw	18.5kw	27.5A(ac)	3kw	5kw	48/96VDC

Grid Power Normal



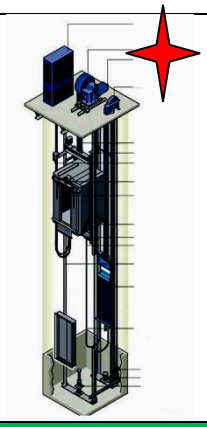
VFDU is working in
Regenerative Dynamic Braking
Mode when power is normal.

VDFU regenerates energy from dynamic energy.

95% efficiency.

save up to **5,000 kwH** each year

Grid Power Failure



VFDU is working in
Emergency Rescue Power Supply
Mode when power is in failure.

VDFU supplies power to the elevator as an EPS / **UPS** / ARD

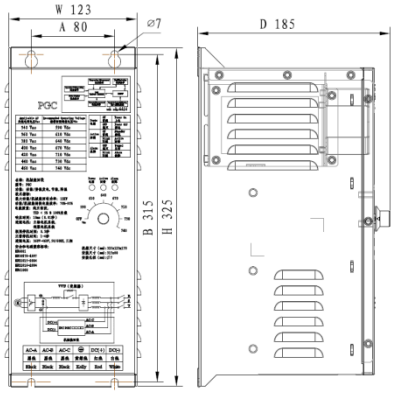
Automatically monitoring and switching 24/7/365

Specifications:	
Grid Voltage	3-phase, 200-240Vac, 360-460Vac. 45-65HZ
3-phrase Inverter Controls	SPWM sinusoidal current tracing + UPS
Switching time	Regenerative mode to UPS mode 10mS
Output Current THD % (regenerative mode)	THD < 5% , at 100% load Automatically tracing the grid phase and voltage.
Output Voltage: (UPS mode)	**3-phase, 220Vac, 380Vac, 50/60HZ**, voltage source (output programmable)
EMI filters and Line Reactors	Built-in EMI filters and Line Reactors
Battery Bank	48/ 96VDCV (12V x 4 / 8 batteries), Backup time based on battery capacity
Protection	Over heat/voltage/current/phase loss, internal error, IGBT failure battery monitor, charge and discharge control
Display	LED numerical coded display, Grid power statue, multi-fault, voltage and current, all settings and parameters
Control Inputs	Enable / disable / modes switch / inputs
Control Outputs	Multi-digital outputs, programmable, @ instructs the elevator drive to park the passenger car at safe position / evacuation level.
Working conditions	<1000m, -10-+40C, <90%, no condensing, 0.5G
Enclosure Ratings	IP 20 (Powder coating carbon steel)
Storage	-40-+50C, Relative humidity 5-95%
Users' manual	English
Panel printing Languages	Standard English. Optional: Japanese, Chinese, Spanish, French

6, **Regenerative Brake for Servos & CNCs,**

Designed for very quick dynamic response.

up to 45kw motor, response in 1/1000 second. Low noise, everything is build-in.

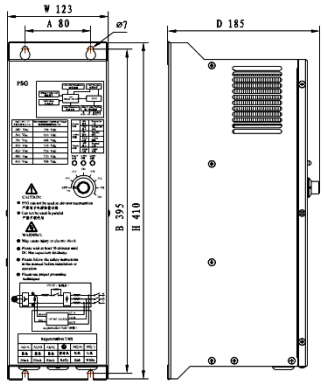
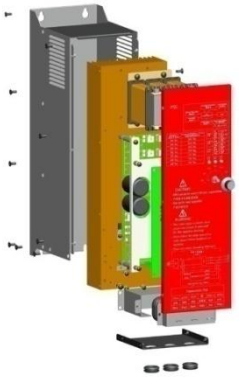
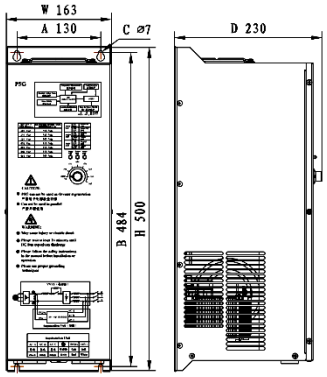
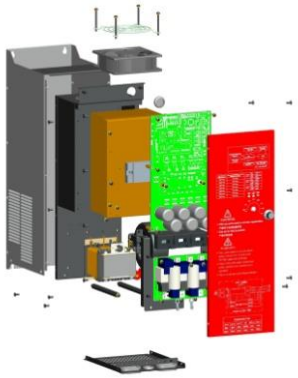
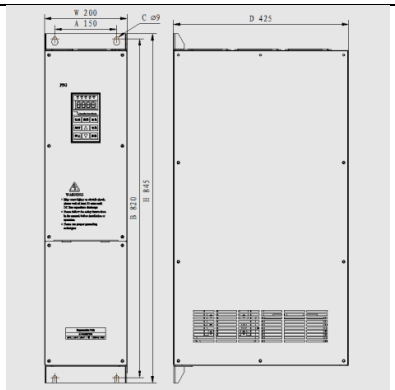
Dimensions	3D illustration	Photo
		VFDC  very fast response with built-in EMI filters and line reactors

Model	Grid Voltage	Rated Current A continuous	Peak current A 10 seconds	Motor KW 200% overload	Duty Cycle	Dimensions: W x D x H (mm)
VFDC-04-5P5	360-460Vac	**7.5A**	17A	2.2-5.5kw	4 cycles / minute	W123*D185*H325

Specifications	
Grid Voltage	3-phase, 360-460Vac. 45-65HZ
3-phrase Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in EMI filters and Line Reactors
Braking Voltage Setting	590Vdc -740Vdc adjustable,
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Duty Cycle	Max. 4 cycles every minute @15A
Display	LED status indicators: Power, Normal , Fault
Input controls	N/A
Output controls	N/A
Working conditions	<1000m, -10-+40C, <90%, no condensing, 0.5G
Enclosure Ratings	IP 20 (Powder coating carbon steel)
Storage	-40-+50C, Relative humidity 5-95%
Users' manual	No manual, all parameters and setting printed on the front panel
Panel printing Languages	Standard English. Optional: Japanese, Chinese, Spanish, French

7, Compact Regenerative Braking Unit

for motors from 2hp to 500hp. (for General Applications)

Dimensions	3D illustration	Photo
		VFDG up to 5.5kw  with built-in filters and line reactors
		VFDG 7.5-22kw  with built-in filters and line reactors
		VFDG 30kw-75kw  with built-in filters and line reactors

Model	Grid Voltage 45-65HZ	Rated Current A continuous	Peak current A 30 seconds	KW for motors@ overload %			Dimensions: W x D x H (mm)
				OL @200%	OL@150%	OL@ 100%	
VFDG-04-2P2C	360-460Vac	**2.2A**	7.5A		1.5kw	3,7kw	**W175*D185*H410**
VFDG -04-3P7C	360-460Vac	**3.7A**	11A	1.5kw	2.2kw	5.5kw	**W175*D185*H410**
VFDG -04-5P5C	360-460Vac	**5.5A**	13.5A	2.2kw	3,7kw	7.5kw	**W175*D185*H410**
VFDG -04-7P5C	360-460Vac	**7.5A**	15A	3.7kw	5.5kw	11kw	**W175*D220*H500**
VFDG -04-011C	360-460Vac	**11A**	18A	5.5kw	7.5kw	15kw	**W175*D220*H500**
VFDG -04-015C	360-460Vac	**15A**	22A	7.5kw	11kw	18.5kw	**W175*D220*H590**
VFDG -04-018C	360-460Vac	**18A**	30A	11kw	15kw	22kw	**W175*D220*H590**
VFDG -04-022C	360-460Vac	**22A**	45A	15kw	18.5kw	30kw	**W175*D220*H590**
VFDG -04-030C	360-460Vac	**30A**	55A	18.5kw	22kw	37kw	**W200*D295*H590**
VFDG -04-037C	360-460Vac	**37A**	60A	22kw	30kw	45kw	**W200*D295*H590**
VFDG-04-030C5	360-460Vac	**30A**	55A	18.5kw	22kw	37kw	**W200*D425*H845**
VFDG-04-037C5	360-460Vac	**37A**	60A	22kw	30kw	45kw	**W200*D425*H845**
VFDG-04-045C5	360-460Vac	**45A**	80A	30kw	37kw	55kw	**W200*D425*H845**
VFDG-04-055C5	360-460Vac	**55A**	100A	37kw	45kw	75kw	**W200*D425*H845**

Regenerative Dynamic System up to 1500VDC / 3Mw are available.

200-240Vac and 575-690Vac are available.
Please email or call for more information.

Specifications: **VFDG**	
Grid Voltage	3-phase, 200-240Vac, 360-460Vac. 45-65HZ
3-phrase Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in EMI filters and Line Reactors
Braking Voltage Setting	300-400Vdc, 610Vdc -760Vdc adjustable,
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Duty Cycle	25%, 50% up to 100%
Display	1, compact models: LED status indicators: Power, Normal , Fault 2, standard models: all parameters and settings LED display
Input controls	Multi inputs, RUN enable/disable
Output controls	Multi relay output, programmable,
Working conditions	<1000m, -10-+40C, <90%, no condensing, 0.5G
Enclosure Ratings	IP 20 (Powder coating carbon steel)
Storage	-40-+50C, Relative humidity 5-95%
Users' manual	1, compact models: No manual, all parameters and setting printed on the front panel 2, standard models: all parameters and settings LED display
Panel printing Languages	Standard English, Optional : Japanese, Chinese, Spanish, French

OEM service:

@ All types of DC-AC grid-connecting converting systems

@ All type of AFEs

@ All types of Dynamic Brakes

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3, Each design/ revise/modification takes 2-4 weeks.
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