

Standard Specifications

200 Volt Class

Model	2R222	3R722	5R522	7R522	1122	1522	2222
Rated output current (A)	10	17	24	32.5	46	62.5	87
Application motor capacity (kW) ^{*2}	1.5	2.2	3.7	5.5	7.5	11	15
Input voltage	3-phase, 3-wire ^{*1} 200 to 220 VAC ± 10%, 50/60 Hz ± 5%						
Maximum output voltage	220 VDC						

Model	3022	3722	4522	5522	7522	9022	15022
Rated output current (A)	121	146	185	222	280	340	560
Application motor capacity (kW) ^{*2}	18.5/22	30	30	37	45	55	75/90/110
Input voltage	3-phase, 3-wire ^{*1} 200 to 220 VAC ± 10%, 50/60 Hz ± 5%						
Maximum output voltage	220 VDC						

400 Volt Class

Model	2R244	3R744	5R544	7R544	1144	1544	2244	3044	3744	4544
Rated output current (A)	5.5	9.2	13	17	24	32.5	46	62.5	75.5	92.5
Application motor capacity (kW) ^{*2}	1.5	2.2	3.7	5.5	7.5	11	15	18.5/22	22	30
Input voltage	3-phase, 3-wire ^{*1} 380 to 460 VAC ± 10%, 50/60 Hz ± 5%									
Maximum output voltage	440 VDC									

Model	5544	7544	11044	16044	20044	25044	31544	40044	50044
Rated output current (A)	111	146	210	300	370	460	600	740	920
Application motor capacity (kW) ^{*2}	37	45/55	75	110	132/150	160	200	250	315
Input voltage	3-phase, 3-wire ^{*1} 380 to 460 VAC ± 10%, 50/60 Hz ± 5%								
Maximum output voltage	440 VDC								

^{*1} Please contact us for details.
^{*2} This will vary with the actual DC motor's rated current.

Common Specifications

Control mode	Speed / Current / Voltage control
Overload capacity	150% 60 sec
Communication network (Optional board)	OPCN66-Z, ASYC66-Z, DNET66-Z, PBUS66-Z, CC66-Z, EIP66-Z
Input signal	Analog 0 to 10 V / ± 10 V / 4 to 20 mA (A standard is 1ch. An option is 2ch at the time of a maxima.) Function terminal 5 input (standard), 6 input (option)
Output signal	Analog ± 10 V (A standard is 1ch. An option is 2ch at the time of a maxima.) Function terminal 2 output (standard), 2 output (option)

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Intelligent Inverter VF66B
DC Drive Mode

The Intelligent Inverter VF66B
with a DC drive mode makes it possible
to keep using your DC motors.



Cost Reduction

Shorter Installation Time

Higher Performance

Compatible with AC/DC Motors

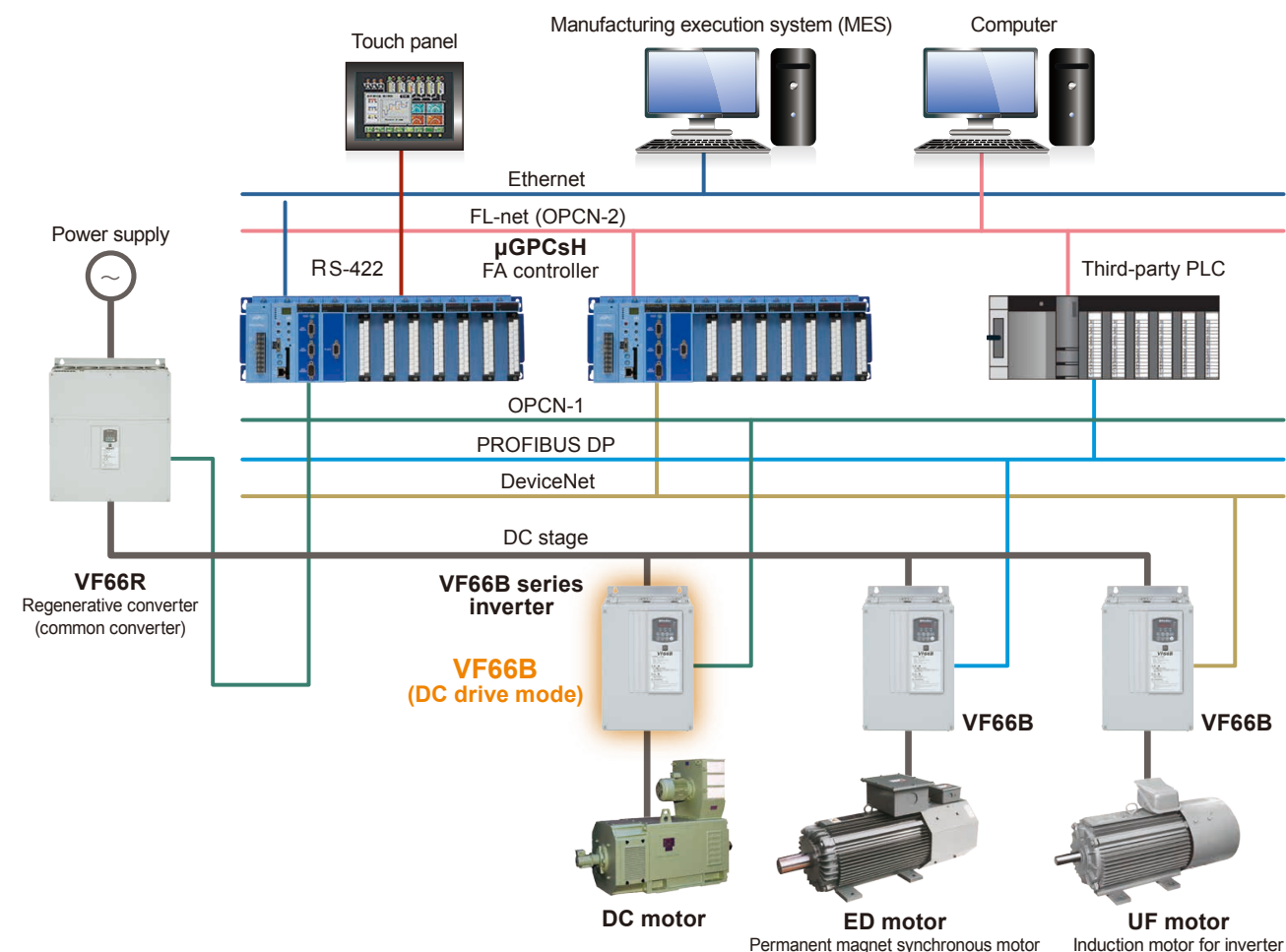
Implementation Benefits

Benefits

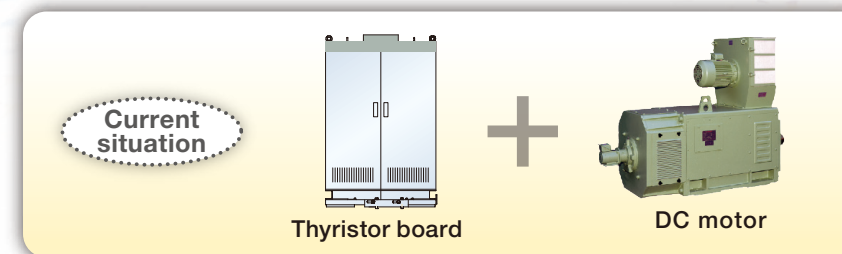
1. Reduce investment costs by continuing to use your DC motors.
2. DC cabling can all be used as is, for a shorter installation time
3. Digital controls and interface with a variety of recent networks and programmable logic controllers (PLCs) deliver higher equipment performance.
4. Use VF66B as a normal inverter by changing the drive mode after upgraded to AC motors.
5. Third-party made DC motors can be driven.

Network

TNS (Toyo Network System)

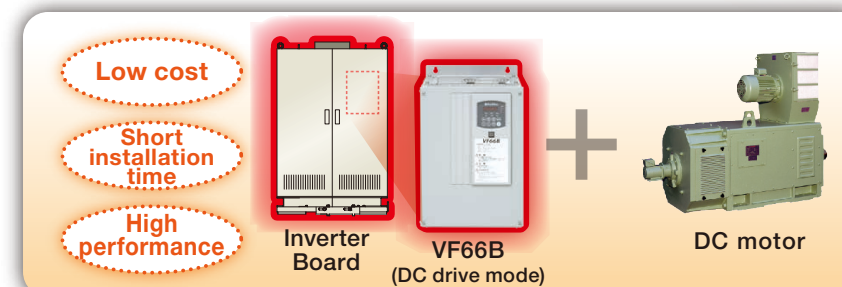


Step-by-step upgrade by implementing VF66B DC drive mode



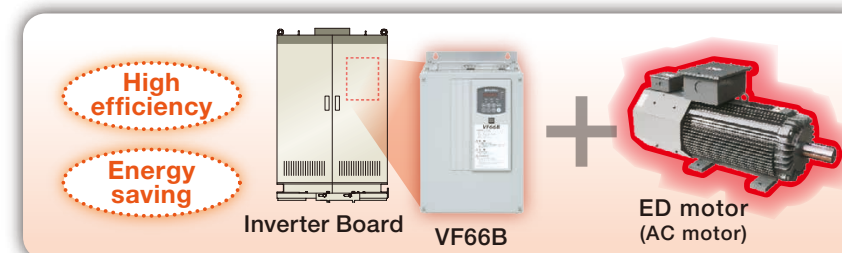
1st Step

Change from thyristor board to VF66B DC mode



2nd Step

Change from DC motor to ED motor (AC motor)



* ED motor : Toyo Denki's permanent magnet high efficiency motor

Equipment can be upgraded with lower cost and shorter installation time.

Running costs are lower thanks to the high efficiency of our ED motor.

Now I can upgrade just my control devices while keeping my DC motors ! This will help me to **reduce costs** and **shorten time required for installation**.