



1. Before Using This Product

1-1 Receiving Inspections

Unpack and check the product as explained below.

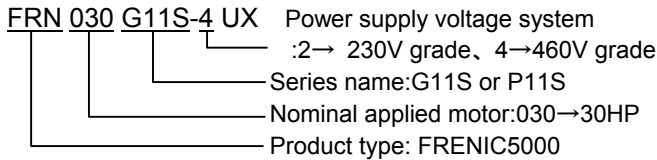
If you have any questions about the product, contact the nearest Fuji sales office or your local distributor where you purchased the unit.

- ① Check the ratings nameplate to confirm that the delivered product is the ordered one.

			
TYPE	FRN030G11S-4UX		
SOURCE	3PH 380-480V 50/60Hz 50A		
OUTPUT	3PH 30HP 380-460V 0.1-400Hz 45A 150% 1min		
SER.No.	75A123A0001Z	SCCR	100kA 720
Fuji Electric FA		Made in Japan	

Ratings nameplate

TYPE : Inverter type



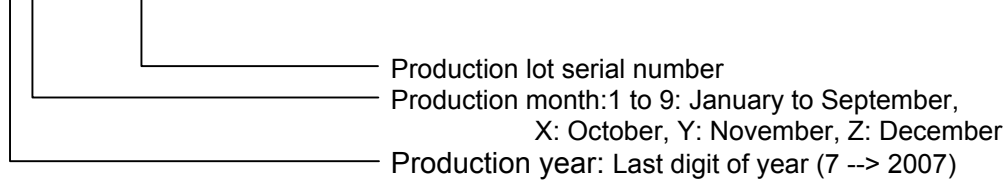
SOURCE : Power rating

OUTPUT : Output rating

MASS : Mass (not indicated for products with 30HP or less)

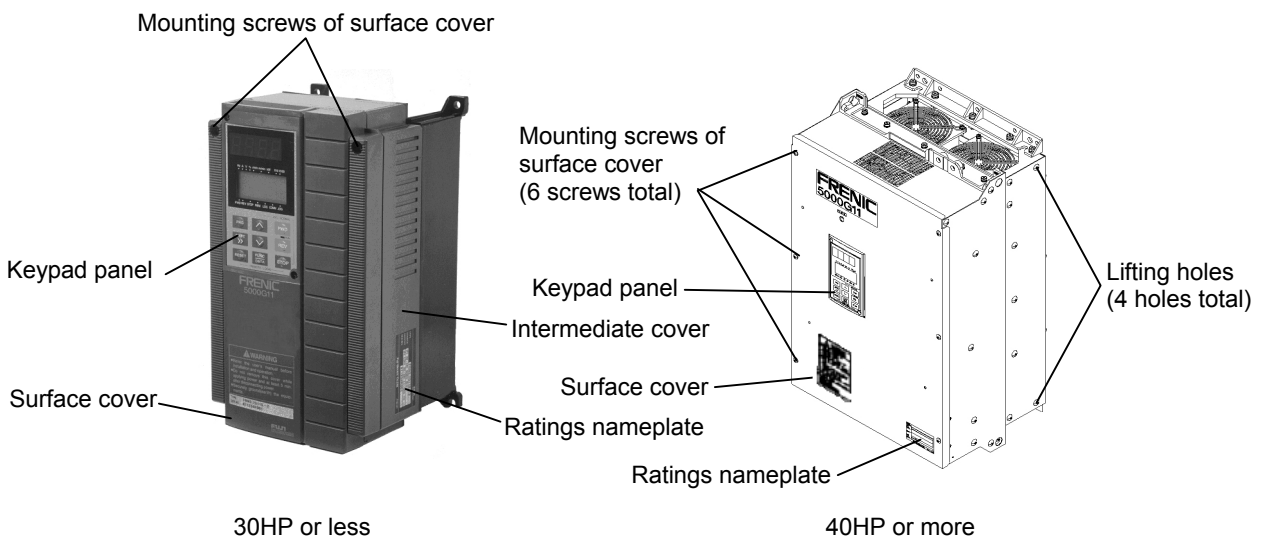
SER.No. : Serial number

7 5 A 1 2 3 A 0 0 0 1 Z



- ② Check for damaged and/or missing parts upon delivery.
- ③ In addition to the inverter unit and this manual, the package contains rubber bushing (for products with 30HP or less) and a terminating resistor (1/2 W, 120Ω). The terminating resistors for products with 30HP or less is packed in a sack. The terminating resistors for products with 40HP or more is connected to the control terminal of the inverter unit. This terminating resistor is required for RS-485 communication. The terminating resistor need not be removed regardless of RS-485 communication status.

1-2 Appearance



1-3 Handling the Product

(1) Removing the surface cover

For the inverter of 30HP or less, loosen the mounting screws of the surface cover, then remove the cover by pulling the top (see Figure 1.3.1).

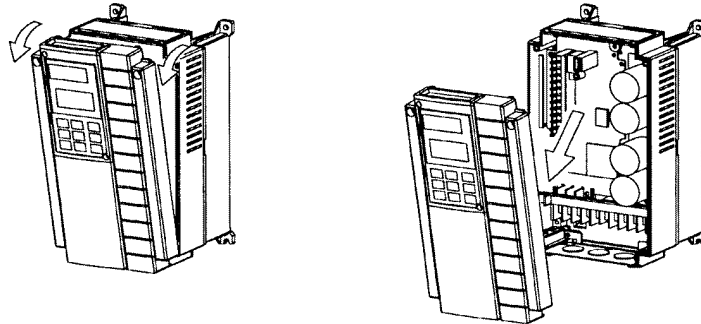


Fig. 1-3-1 Removing the surface cover (for inverter of 30HP or less)

For the inverter of 40HP or more, remove the six mounting screws of the surface cover, then remove the surface cover.

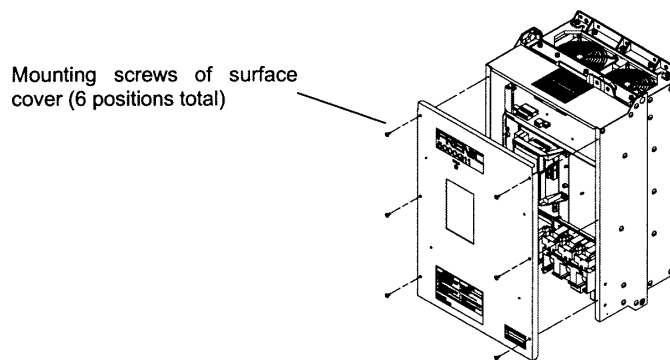


Fig. 1-3-2 Removing the surface cover (for inverter of 40HP or more)

(2) Removing the keypad panel

After removing the surface cover as explained in (1), loosen the mounting screws of the keypad panel and remove as shown in Figure 1.3.3.

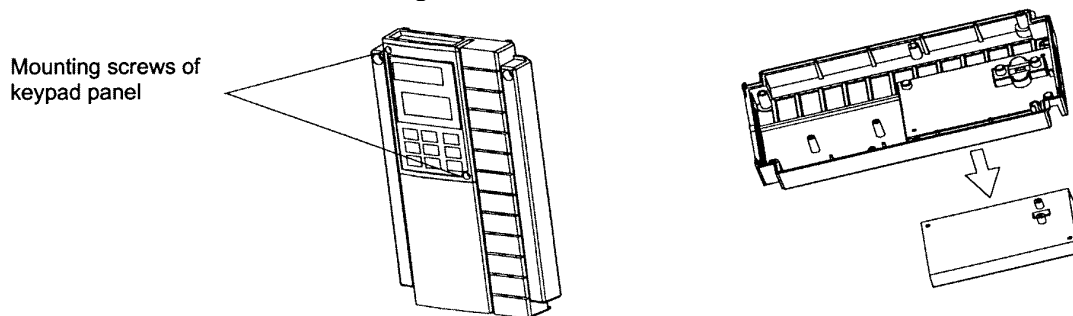


Fig. 1-3-3 Removing the keypad panel

Loosen the mounting screws of the keypad panel and remove using the finger holds on the keypad panel case.

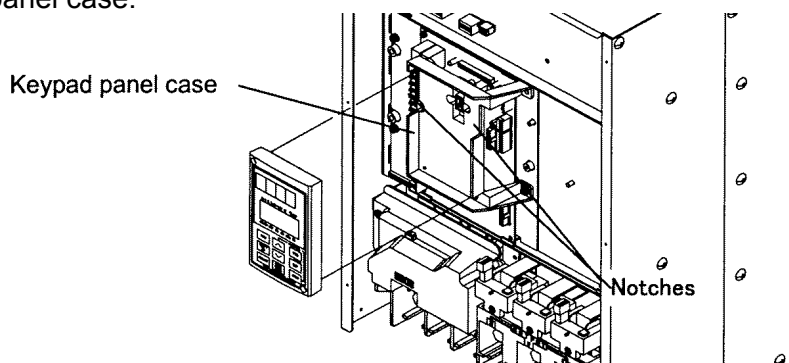


Fig. 1-3-4 Removing the keypad panel (for inverter of 40HP or more)

1-4 Carrying

Carry the product by the main unit.

Do not carry the product while holding the cover or parts other than the main unit.

Use a crane or hoist to carry a product equipped with hanging holes.

1-5 Storage

Temporary storage

Temporary storage of this product must meet those conditions listed in Table 1-5-1.

Table 1-5-1 Storage environment

Item	Specifications	
Ambient temperature	-10°C(14°F) to +50°C(122°F)	Condensation or freezing must not occur as a result of sudden temperature changes.
Storage temperature	-25°C(-13°F) to +65°C(149°F)	
Relative humidity	5 to 95% ^{Note2}	
Atmosphere	Pollution degree 2	
Air pressure	Operation/storage: 86 to 106 kPa Transport : 70 to 106 kPa	

Note1: The storage temperature applies only to short periods such as transport.

Note2: As a large change in temperature within this humidity range may result in condensation or freezing, do not store where such temperature changes may occur.

- ① Do not place this product directly on a floor.
- ② To store the product in an extreme environment, pack in vinyl sheet, etc.
- ③ If the product is stored in a high-humidity environment, insert a drying agent (e.g., silica gel) and pack the product in vinyl sheet.

Long-term storage

If the product is to be stored for an extended period after purchase, the method of storage depends primarily on storage location.

The general long-term storage method is as follows:

- ① The above conditions for temporary storage must be satisfied.
When the storage period exceeds three months, the upper limit of ambient temperature must be reduced to 30°C(86°F) to prevent the deterioration of the electrolytic capacitors.
- ② Pack the product thoroughly to eliminate exposure to moisture and include a drying agent to ensure a relative humidity of about 70% or less.
- ③ If the product is mounted on a unit or control panel and is left unused and exposed to the elements like moisture or dust (particularly on a construction site), remove the product and store in a suitable environment.
- ④ Electrolytic capacitors not provided with power for an extended period will deteriorate. Do not store electrolytic capacitors for one year or longer without providing power.