

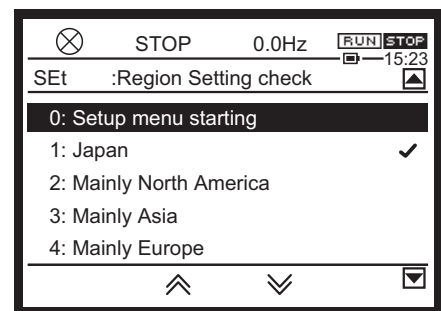
### 5. 3. 10 Automatic setting of main parameters by region used



- Make sure to set the setup menu correctly. If you set the setup menu incorrectly, this will damage the inverter or cause the inverter to perform unexpected movement.

<SEt: Region setting check>

Basic parameter



■ **Function**

When you select a region using in the setup menu at initial Power on, parameters such as the base frequency of the motor is set automatically according to the selected region. You can check the region that has been set or reset it by starting the setup menu.

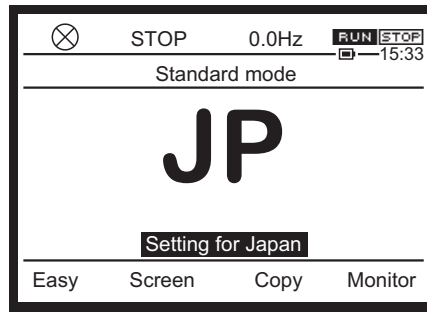
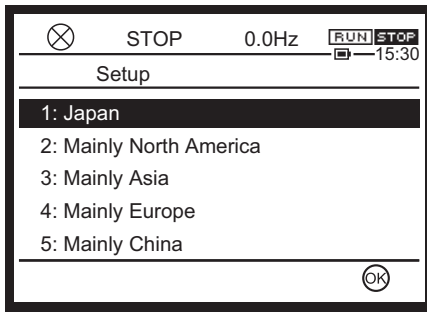
■ **Parameter setting**

Title	Parameter name	Adjustment range	Default setting
SEt	Region setting check	0: Setup menu starting 1: Japan (read only) 2: Mainly North America (read only) 3: Mainly Asia (read only) 4: Mainly Europe (read only) 5: Mainly China (read only)	0

■ **Selecting a setting value**

**0: Setup menu starting**

The setup menu to select the region where the inverter is used is started. When you select the region, parameters such as the base frequency and the base frequency voltage of the motor that are described on the separate table are automatically set.



Important

- While the setup menu is started, you cannot return to the previous step even if you press the [ESC] key.
- Note that all parameters return to status of default setting and the trip history data is cleared.

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- 1: Japan (read only)**
- 2: Mainly North America (read only)**
- 3: Mainly Asia (read only)**
- 4: Mainly Europe (read only)**
- 5: Mainly China (read only)**

All of 1 to 5 are display to check the setting. Even if you select any of them and press the [OK] key, new setting cannot be made.

There is a mark at the right end of the region selected in the setup menu.

■ Parameters set with setup menu

Parameter title	Function	Mainly North America	Mainly Asia	Mainly Europe	China	Japan
FH	Maximum frequency (Hz)	80.0	80.0	80.0	50.0	80.0
F307	Supply voltage compensation	2	2	2	2	3
F319	Regenerative over-flux upper limit (%)	120	120	120	140	140
F417	Motor rated speed (min <sup>-1</sup> )	*1	*1	*1	*1	*1
vLv, F171, F175, F179	Base frequency Voltage (V)	230	230	230	200	200
		460	400	400	380	400
vL, UL, F170, F174, F178, F204, F213, F219, F225, F231, F237, F330, F335, F364, F367, F370, F426, F428, F814, A316, A319, A322, A346, A349, A352, A376, A379, A382	Frequency (Hz)	60.0	50.0	50.0	50.0	60.0

Parameter title	Function	Mainly North America	Mainly Asia	Mainly Europe	China	Japan
F606, F643	Frequency (max of set value) (Hz)	60.0	50.0	50.0	50.0	60.0
F405	Motor rated Capacity (kW)	3.7	4.0	4.0	4.0	3.7
		0.4	0.4	0.4	0.4	0.37
F704	Reference Website	0	1	1	1	1

\*1 Depending on the region and the capacity. Refer to [11. 6].

## Memo

- The setting values of the parameters set with the setup menu can be changed as in the case of other parameters.