

Inverter Selection Instruction

Some of Veichi's three-phase inverters support output single-phase and three-phase.

There are three output terminals(U, V and W), connect any one of U and V, U and W, or V and W it will be output single-phase.

● **Single-phase output**

1. Selection of the inverter is up to the **rated current** of the motor.

Please make sure the rated current of inverter is larger than motor.

For example, a 1.5KW 10A single-phase motor.

If you select a 1.5KW inverter to drive this single-phase motor, it is not compatible.

Because the rated current of 1.5KW inverter is around 7A, which is lower than the rated current of the motor(10A).

In that way, you need to select a 2.2KW inverter to drive this 1.5KW motor.

2. Set the parameter of 14.00 to **"1002"**

Photovoltaic Pump Special Parameters

Function code	Function name	Setting range and definition	Default setting	property	Comm Add
F14.00	Solar pump drive control mode	LED"0" digit:Mode Selection 0: Variable frequency control mode 1: CVT mode for solar 2: MPPT mode for solar LED"00" digit:Operation Selection 0 :Normal operation 1: Intermittent operation 2: Pump cleaning LED"000" digit:Reserved LED"0000" digit:Motor Selection 0: Three-phase motor 1: Single-phase motor	0002	○	0xE00

- **Three-phase output**

Selection of the inverter is up to the **rated power** of the motor.

The rated power of the inverter should be larger(it should not be larger than two power level) or equal to the motor.

For example, a 7.5KW motor, it is better to use 11KW or 7.5KW inverter to drive the motor.

A 15KW or larger than 15KW inverter is not compatible to drive the 7.5KW motor.