

## Type Designation Key

KE 100 – 5R5G – 4 5 – PV

①            ②            ③ ④            ⑤

| Field identification | Sign | Detailed description of the sign | Detailed content   |
|----------------------|------|----------------------------------|--|
| Product abbreviation | ①    | Product abbreviation             | KE 100 is short for Gooddrive100.  |
| Rated power          | ②    | Power range + Load type          | 5R5G—5.5kW<br>G—Constant torque load   |
| Voltage degree       | ③    | Voltage degree                   | 4: AC 3PH 380V (-15%)~440V (+10%)<br>2: AC 3PH 220V (-15%)~240V (+10%)<br>S2: AC 1PH 220V (-15%)~240V (+10%)<br>SS2: AC 1PH input/output 220V (-15%)~240V (+10%) |
| Protection level     | ④    | Protection level                 | 5—IP54<br>Standard inverter is IP20, not displayed.  |
| Industrial code      | ⑤    | Industrial code                  | PV stands for PV pump.   |

## Product Specifications

### Product function parameters

| Model                                  | -SS2                      | -S2                        | -2  | -4        |
|--|---------------------------|----------------------------|---|-----------|
| AC input voltage (V)                   | 220(-15%)~240(+10%) (1PH) | 220(-15%)~240 (+10%) (3PH) | 380(-15%)~440 (+10%) (3PH)  |           |
| Max. DC input voltage (V)              | 440                       | 440                        | 440   | 800       |
| Start-up voltage (V)                   | 200                       | 200                        | 200   | 300       |
| Lowest working voltage (V)             | 150                       | 150                        | 150   | 250       |
| Recommended DC input voltage range (V) | 200~400                   | 200~400                    | 200~400   | 300~750   |
| Recommended MPP voltage (V)            | 330                       | 330                        | 330   | 550       |
| Rated output voltage (V)               | 220 (1PH)                 | 220 (3PH)                  | 220 (3PH)   | 380 (3PH) |
| Output frequency range (Hz)            |                           |                            | 0~400   |           |
| MPPT                                   |                           |                            | 99%   |           |
| Installation manner                    |                           |                            | Wall mounting/Rail mounting/Flange mounting                       |           |
| Environment temperature                |                           |                            | -10°C~+50°C, If above 40°C, derate 2% for every additional 1°C.   |           |
| Altitude                               |                           |                            | Below 1000m, If above 1000m, derate 1% for every additional 100m. |           |
| Cooling manner                         |                           |                            | Fan cooling   |           |
| Protection level                       |                           |                            | IP20; IP54 (Cabinet)  |           |

## Product rated specification parameters

| Series  | Model              | Rated output power (kW) | Rated input current (A) | Rated output current (A) |
|---|--------------------|-------------------------|-------------------------|--------------------------|
| -SS2<br>(0.4-2.2 kW)                            | KE 100-0R4G-SS2-PV | 0.4                     | 6.5                     | 4.2                      |
|   | KE 100-0R7G-SS2-PV | 0.75                    | 9.3                     | 7.2                      |
|   | KE 100-1R5G-SS2-PV | 1.5                     | 15.7                    | 10.2                     |
|   | KE 100-2R2G-SS2-PV | 2.2                     | 24                      | 14                       |
| -S2<br>Single-phase, 220V input<br>(0.4-2.2 kW) | KE 100-0R4G-S2-PV  | 0.4                     | 6.5                     | 2.5                      |
|   | KE 100-0R7G-S2-PV  | 0.75                    | 9.3                     | 4.2                      |
|   | KE 100-1R5G-S2-PV  | 1.5                     | 15.7                    | 7.5                      |
|   | KE 100-2R2G-S2-PV  | 2.2                     | 24                      | 10                       |
| -2<br>Three-phase, 220V<br>(4-7.5kW)            | KE 100-004G-2-PV   | 4                       | 17                      | 16                       |
|   | KE 100-5R5G-2-PV   | 5.5                     | 25                      | 20                       |
|   | KE 100-7R5G-2-PV   | 7.5                     | 33                      | 30                       |
|   | KE 100-0R7G-4-PV   | 0.75                    | 3.4                     | 2.5                      |
|   | KE 100-1R5G-4-PV   | 1.5                     | 5.0                     | 4.2                      |
|   | KE 100-2R2G-4-PV   | 2.2                     | 5.8                     | 5.5                      |
|   | KE 100-004G-4-PV   | 4.0                     | 13.5                    | 9.5                      |
|   | KE 100-5R5G-4-PV   | 5.5                     | 19.5                    | 14                       |
|   | KE 100-7R5G-4-PV   | 7.5                     | 25                      | 18.5                     |
|   | KE 100-011G-4-PV   | 11                      | 32                      | 25                       |
|   | KE 100-015G-4-PV   | 15                      | 40                      | 32                       |
|   | KE 100-018G-4-PV   | 18.5                    | 47                      | 38                       |
|   | KE 100-022G-4-PV   | 22                      | 51                      | 45                       |
| -4<br>Three-phase, 380V<br>(0.75-200kW)         | KE 100-030G-4-PV   | 30                      | 70                      | 60                       |
|   | KE 100-037G-4-PV   | 37                      | 80                      | 75                       |
|   | KE 100-045G-4-PV   | 45                      | 98                      | 92                       |
|   | KE 100-055G-4-PV   | 55                      | 128                     | 115                      |
|   | KE 100-075G-4-PV   | 75                      | 139                     | 150                      |
|   | KE 100-090G-4-PV   | 90                      | 168                     | 180                      |
|   | KE 100-110G-4-PV   | 110                     | 201                     | 215                      |
|   | KE 100-132G-4-PV   | 132                     | 265                     | 260                      |
|   | KE 100-160G-4-PV   | 160                     | 310                     | 305                      |
|   | KE 100-185G-4-PV   | 185                     | 345                     | 340                      |
|   | KE 100-200G-4-PV   | 200                     | 385                     | 380                      |

Note : When demanding for the inverters above 200kW, contact KAIZEN to customize.

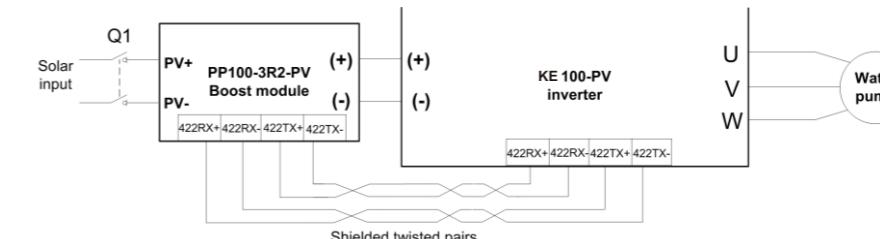
## Options

## Recommended configuration for inverters with the boost module

| PP100-3R2-PV<br>+<br>Solar pumping inverter | Max. DC input current<br>(A) | Open-circuit voltage degree of solar module |                  |                              |       |  |
|---|------------------------------|---|------------------|------------------------------|-------|--|
|   |                              | 37±1V                                       | Module power±5Wp | Modules per string * strings | 45±1V |  |
| KE100-0R4G-SS2-PV                           | 12                           | 250   | 4*1              | 300                          | 3*1   |  |
| KE100-0R7G-SS2-PV                           | 12                           | 250   | 5*1              | 300                          | 4*1   |  |
| KE100-1R5G-SS2-PV                           | 12                           | 250   | 8*1              | 300                          | 7*1   |  |
| KE100-0R4G-S2-PV                            | 12                           | 250   | 4*1              | 300                          | 3*1   |  |
| KE100-0R7G-S2-PV                            | 12                           | 250   | 5*1              | 300                          | 4*1   |  |
| KE100-1R5G-S2-PV                            | 12                           | 250   | 8*1              | 300                          | 7*1   |  |
| KE100-0R7G-4-PV                             | 12                           | 250   | 5*1              | 300                          | 4*1   |  |
| KE100-1R5G-4-PV                             | 12                           | 250   | 8*1              | 300                          | 7*1   |  |
| KE100-2R2G-4-PV                             | 12                           | 250   | 13*1             | 300                          | 11*1  |  |

## Boost module

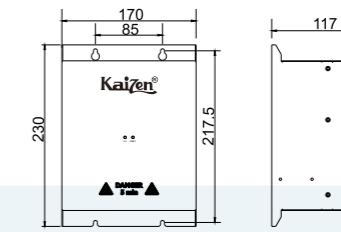
0.4-2.2kW models can be configured with the boost module, which can improve the utilization of the solar component.



Connection between the boost module and inverter

## Boost module specifications

| Model                    | PP100-3R2-PV                                       |
|--------------------------|--|
| Input                    |  |
| Max. input power (W)     | 3200   |
| Max. DC voltage (V)      | 600  |
| Start-up voltage (V)     | 80   |
| Min. working voltage (V) | 70   |
| Max. input current (A)   | 12   |
| Output                   |  |
| Output voltage (V)       | 350/570 (automatically determined by the inverter) |



Installation dimension

## Solution for Auto Switch

### GPRS module and monitoring APP

KE 100-PV series support the installation of the GPRS module to implement remote monitoring. The inverter operation state can be monitored on the APP in the mobile phone or web page in real time.

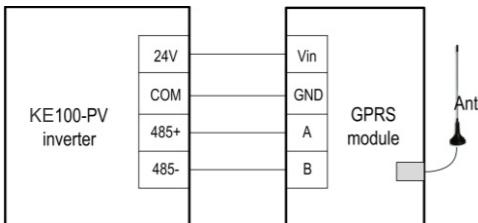
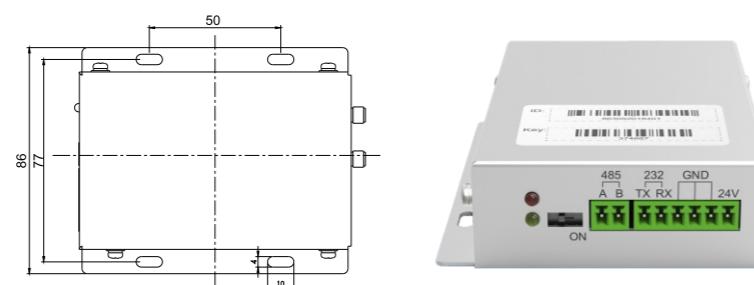
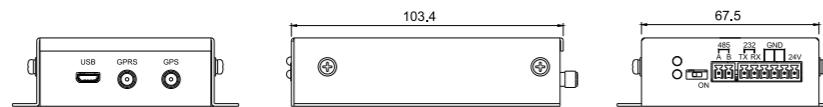
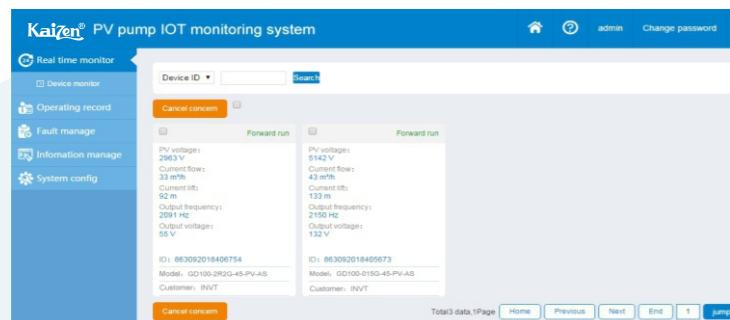


Diagram of connecting the GPRS module to the inverter



GPRS module installation dimensions



Computer monitoring interface

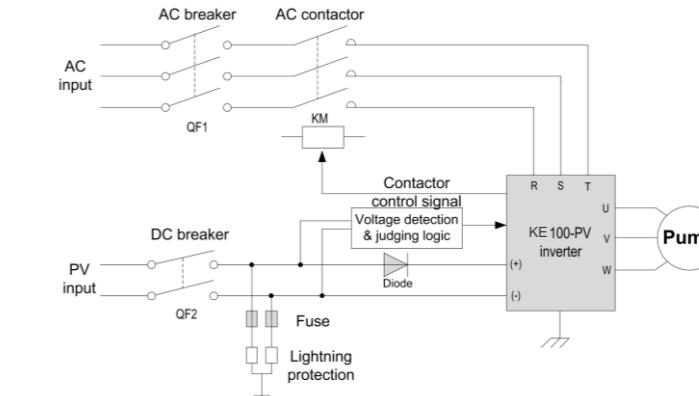


Mobile APP interface

The web page of IOT monitoring system for KE 100-PV is: [iot.invt.com:12000](http://iot.invt.com:12000), and you can download the android APP by sweep the QR-Code.

### Solution Introduction

Generally, inverters do not allow simultaneous connection of PV and grid input. If such simultaneous connection is required, external configuration must be made to switch the control circuit. One solution for auto switch is recommended:



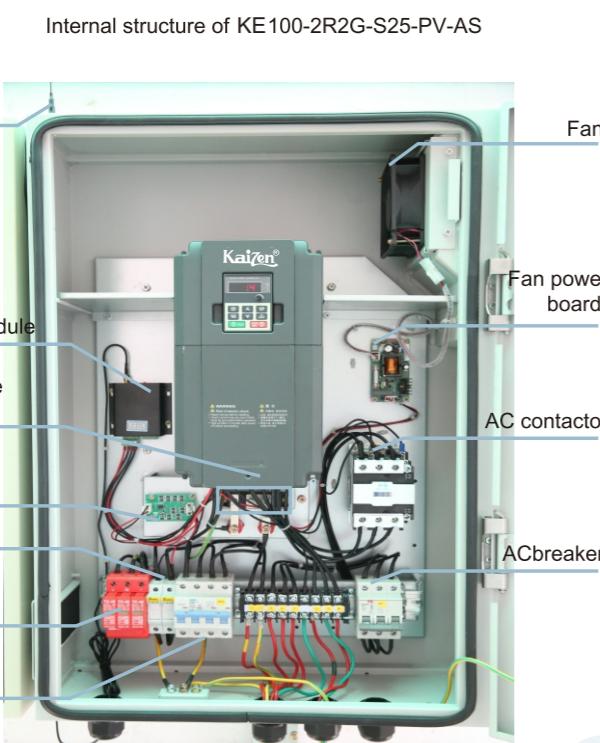
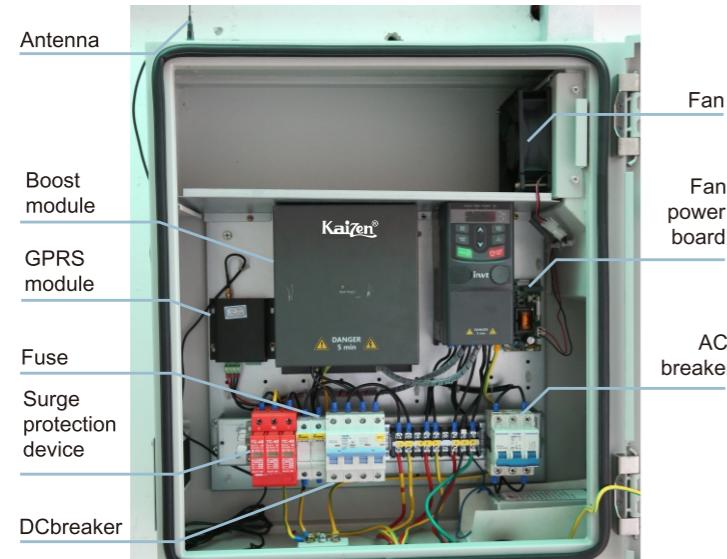
### Model selection reference for low-voltage apparatus

| Model                 | AC breaker (A) | DC breaker (A) | AC contactor (A) | Surge protection   | Fuse | Diode  |
|-----------------------|----------------|----------------|------------------|--------------------|------|--|
| KE 100-0R4G-SS2-PV-AS | 16             | 16A/500V       | 16               | Type II<br>1000VDC | 30A  | Not required<br>since equipped<br>the boost module |
| KE 100-0R7G-SS2-PV-AS | 25             |                | 25               |                    |      |  |
| KE 100-1R5G-SS2-PV-AS | 40             |                | 32               |                    |      |  |
| KE 100-2R2G-SS2-PV-AS | 40             |                | 32               |                    |      |  |
| KE 100-0R4G-S2-PV-AS  | 16             |                | 10               |                    |      |  |
| KE 100-0R7G-S2-PV-AS  | 16             |                | 16               |                    |      |  |
| KE 100-1R5G-S2-PV-AS  | 25             |                | 25               |                    |      |  |
| KE 100-2R2G-S2-PV-AS  | 40             |                | 32               |                    |      |  |
| KE 100-0R7G-4-PV-AS   | 10             |                | 10               |                    |      |  |
| KE 100-1R5G-4-PV-AS   | 10             |                | 10               |                    |      |  |
| KE 100-2R2G-4-PV-AS   | 16             | 16A/1000V      | 10               | 55A/<br>1600V      |      |  |
| KE 100-004G-4-PV-AS   | 25             |                | 16               |                    |      |  |
| KE 100-5R5G-4-PV-AS   | 25             |                | 16               |                    |      |  |
| KE 100-004G-2-PV-AS   | 25             |                | 16               |                    |      |  |
| KE 100-7R5G-4-PV-AS   | 40             |                | 25               |                    |      |  |
| KE 100-5R5G-2-PV-AS   | 40             | 63A/1000V      | 25               | 110A/<br>1600V     |      |  |
| KE 100-011G-4-PV-AS   | 63             |                | 32               |                    |      |  |
| KE 100-7R5G-2-PV-AS   | 63             |                | 32               |                    |      |  |
| KE 100-015G-4-PV-AS   | 63             |                | 50               |                    |      |  |
| KE 100-018G-4-PV-AS   | 100            | 80A/1000V      | 63               | 125A/1000V         |      |  |
| KE 100-022G-4-PV-AS   | 100            |                | 80               |                    |      |  |
| KE 100-030G-4-PV-AS   | 125            |                | 95               |                    |      |  |
| KE 100-037G-4-PV-AS   | 160            | 125A/1000V     | 120              |                    |      |  |

Above 37KW of IP54 model please refer operation manual page 57-58

## Inverter of IP54

For the application of auto switch between PV and grid input, KAIZEN provides two types of inverters for IP54 protection level: the inverter with or without the auto switch function.



Internal structure of KE100-015G-45-PV-AS

## Note:

1. The inverters of IP54 without the auto switch function do not have the suffix -AS.
2. The inverters of IP54 with the rated power equal to or less than 2.2kW are equipped with the boost module, supporting auto switch.

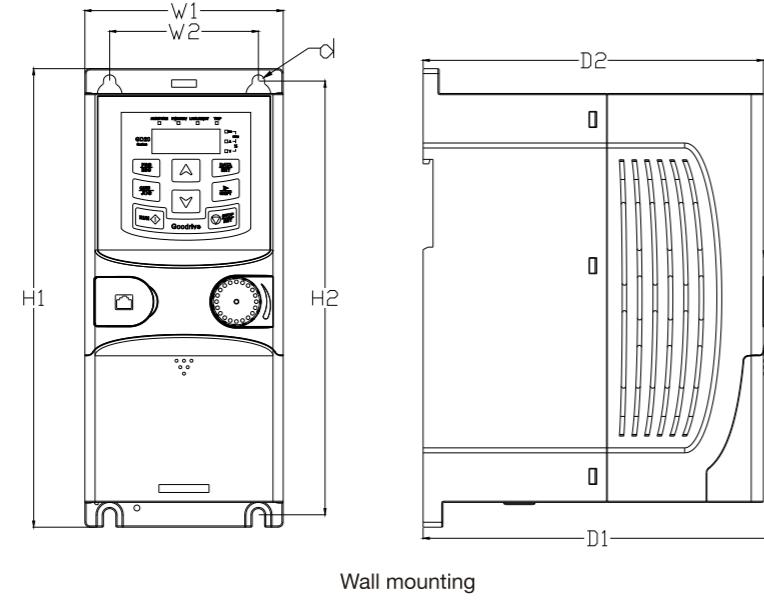
## Recommended Solar Array Configuration

## Recommended configuration in standad condition

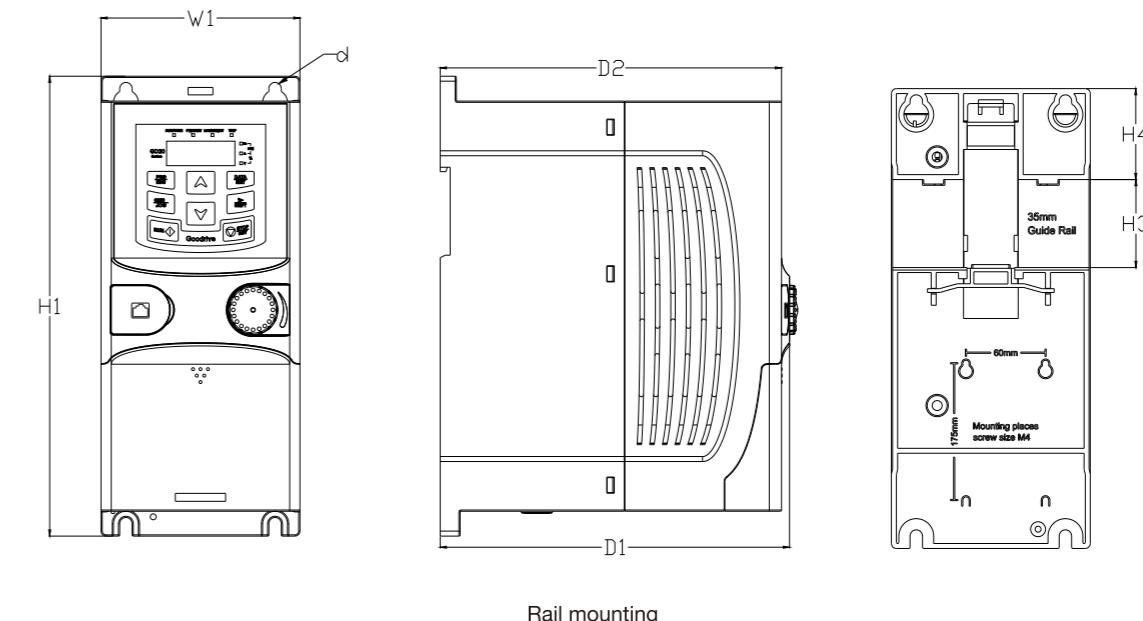
| Solar pumping inverter model | Open-circuit voltage degree of solar module |                                       |                           |                                       |
|------------------------------|---|---------------------------------------|---------------------------|---------------------------------------|
|                              | 37±1V<br>Module power±5Wp                   | 45±1V<br>Modules per string * strings | 37±1V<br>Module power±5Wp | 45±1V<br>Modules per string * strings |
| KE100-0R4G-SS2-PV            | 250   | 11*1                                  | 300                       | 9*1                                   |
| KE100-0R7G-SS2-PV            | 250   | 11*1                                  | 300                       | 9*1                                   |
| KE100-1R5G-SS2-PV            | 250   | 11*1                                  | 300                       | 9*1                                   |
| KE100-2R2G-SS2-PV            | 250   | 11*1                                  | 300                       | 9*1                                   |
| KE100-0R4G-S2-PV             | 250   | 11*1                                  | 300                       | 9*1                                   |
| KE100-0R7G-S2-PV             | 250   | 11*1                                  | 300                       | 9*1                                   |
| KE100-1R5G-S2-PV             | 250   | 11*1                                  | 300                       | 9*1                                   |
| KE100-2R2G-S2-PV             | 250   | 11*1                                  | 300                       | 9*1                                   |
| KE100-004G-2-PV              | 250   | 11*2                                  | 300                       | 9*2                                   |
| KE100-5R5G-2-PV              | 250   | 11*3                                  | 300                       | 9*3                                   |
| KE100-7R5G-2-PV              | 250   | 11*4                                  | 300                       | 9*4                                   |
| KE100-0R7G-4-PV              | 250   | 18*1                                  | 300                       | 15*1                                  |
| KE100-1R5G-4-PV              | 250   | 18*1                                  | 300                       | 15*1                                  |
| KE100-2R2G-4-PV              | 250   | 18*1                                  | 300                       | 15*1                                  |
| KE100-004G-4-PV              | 250   | 20*1                                  | 300                       | 16*1                                  |
| KE100-5R5G-4-PV              | 250   | 18*2                                  | 300                       | 15*2                                  |
| KE100-7R5G-4-PV              | 250   | 18*2                                  | 300                       | 15*2                                  |
| KE100-011G-4-PV              | 250   | 18*3                                  | 300                       | 15*3                                  |
| KE100-015G-4-PV              | 250   | 18*4                                  | 300                       | 15*4                                  |
| KE100-018G-4-PV              | 250   | 18*5                                  | 300                       | 15*5                                  |
| KE100-022G-4-PV              | 250   | 18*6                                  | 300                       | 15*6                                  |
| KE100-030G-4-PV              | 250   | 18*8                                  | 300                       | 15*8                                  |
| KE100-037G-4-PV              | 250   | 18*9                                  | 300                       | 15*9                                  |
| KE100-045G-4-PV              | 250   | 18*11                                 | 300                       | 15*11                                 |
| KE100-055G-4-PV              | 250   | 18*14                                 | 300                       | 15*14                                 |
| KE100-075G-4-PV              | 250   | 18*19                                 | 300                       | 15*19                                 |
| KE100-090G-4-PV              | 250   | 18*22                                 | 300                       | 15*22                                 |
| KE100-110G-4-PV              | 250   | 18*27                                 | 300                       | 15*27                                 |
| KE100-132G-4-PV              | 250   | 18*38                                 | 300                       | 15*38                                 |
| KE100-160G-4-PV              | 250   | 18*46                                 | 300                       | 15*46                                 |
| KE100-185G-4-PV              | 250   | 18*53                                 | 300                       | 15*53                                 |
| KE100-200G-4-PV              | 250   | 18*57                                 | 300                       | 15*57                                 |

## Installation Dimensions

0.4-2.2kW models support wall mounting and rail mounting:



Wall mounting



Rail mounting

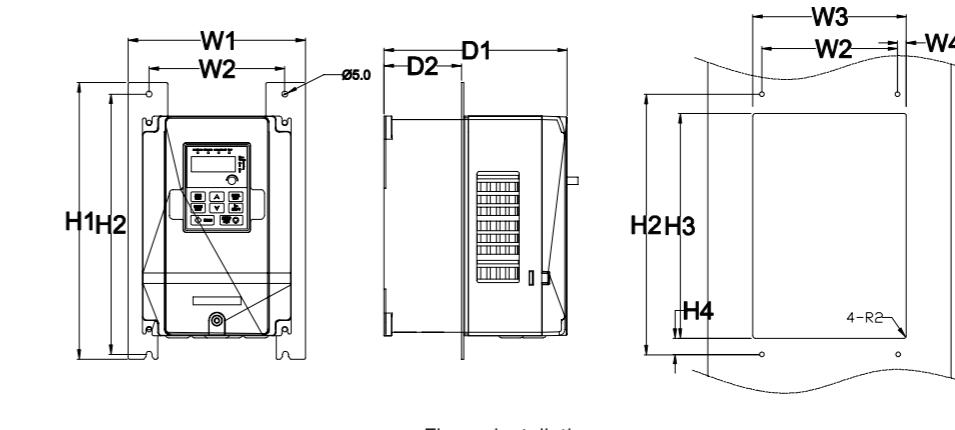
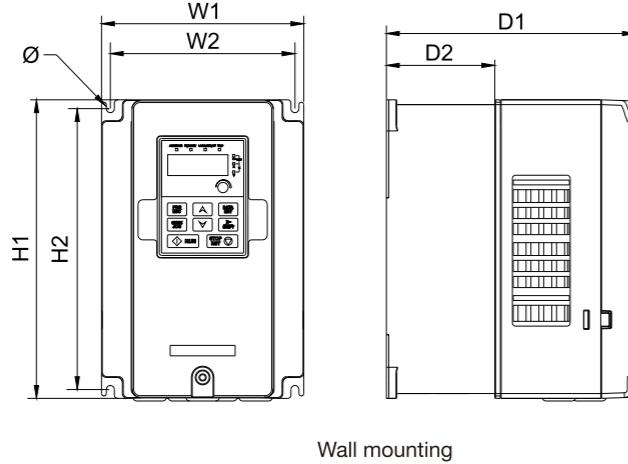
Dimensions in wall mounting (unit: mm)

| Model             | W1   | W2   | H1    | H2    | D1    | D2    | Installation hole (d) |
|-------------------|------|------|-------|-------|-------|-------|-----------------------|
| KE100-0R4G-S2-PV  | 80.0 | 60.0 | 160.0 | 150.0 | 123.5 | 120.3 | 5                     |
| KE100-0R7G-S2-PV  | 80.0 | 60.0 | 160.0 | 150.0 | 123.5 | 120.3 | 5                     |
| KE100-0R4G-SS2-PV | 80.0 | 60.0 | 160.0 | 150.0 | 123.5 | 120.3 | 5                     |
| KE100-1R5G-S2-PV  | 80.0 | 60.0 | 185.0 | 175.0 | 140.5 | 137.3 | 5                     |
| KE100-2R2G-S2-PV  | 80.0 | 60.0 | 185.0 | 175.0 | 140.5 | 137.3 | 5                     |
| KE100-0R7G-SS2-PV | 80.0 | 60.0 | 185.0 | 175.0 | 140.5 | 137.3 | 5                     |
| KE100-1R5G-SS2-PV | 80.0 | 60.0 | 185.0 | 175.0 | 140.5 | 137.3 | 5                     |
| KE100-2R2G-SS2-PV | 80.0 | 60.0 | 185.0 | 175.0 | 140.5 | 137.3 | 5                     |
| KE100-0R7G-4-PV   | 80.0 | 60.0 | 185.0 | 175.0 | 140.5 | 137.3 | 5                     |
| KE100-1R5G-4-PV   | 80.0 | 60.0 | 185.0 | 175.0 | 140.5 | 137.3 | 5                     |
| KE100-2R2G-4-PV   | 80.0 | 60.0 | 185.0 | 175.0 | 140.5 | 137.3 | 5                     |

Dimensions in Rail mounting (unit: mm)

| Model             | W1   | H1    | H3   | H4   | D1    | D2    | Installation hole (d) |
|-------------------|------|-------|------|------|-------|-------|-----------------------|
| KE100-0R4G-S2-PV  | 80.0 | 160.0 | 35.4 | 36.6 | 123.5 | 120.3 | 5                     |
| KE100-0R7G-S2-PV  | 80.0 | 160.0 | 35.4 | 36.6 | 123.5 | 120.3 | 5                     |
| KE100-0R4G-SS2-PV | 80.0 | 160.0 | 35.4 | 36.6 | 123.5 | 120.3 | 5                     |
| KE100-1R5G-S2-PV  | 80.0 | 185.0 | 35.4 | 36.6 | 140.5 | 137.3 | 5                     |
| KE100-2R2G-S2-PV  | 80.0 | 185.0 | 35.4 | 36.6 | 140.5 | 137.3 | 5                     |
| KE100-0R7G-SS2-PV | 80.0 | 185.0 | 35.4 | 36.6 | 140.5 | 137.3 | 5                     |
| KE100-1R5G-SS2-PV | 80.0 | 185.0 | 35.4 | 36.6 | 140.5 | 137.3 | 5                     |
| KE100-2R2G-SS2-PV | 80.0 | 185.0 | 35.4 | 36.6 | 140.5 | 137.3 | 5                     |
| KE100-0R7G-4-PV   | 80.0 | 185.0 | 35.4 | 36.6 | 140.5 | 137.3 | 5                     |
| KE100-1R5G-4-PV   | 80.0 | 185.0 | 35.4 | 36.6 | 140.5 | 137.3 | 5                     |
| KE100-2R2G-4-PV   | 80.0 | 185.0 | 35.4 | 36.6 | 140.5 | 137.3 | 5                     |

4-37kW models support wall mounting and flange mounting:



Dimensions in wall mounting (unit: mm)

| Model           | W1    | H1    | H3    | H4    | D1    | D2    | Installation hole (d) |
|-----------------|-------|-------|-------|-------|-------|-------|-----------------------|
| KE100-004G-4-PV | 146.0 | 131.0 | 256.0 | 243.5 | 167.0 | 84.5  | 6                     |
| KE100-5R5G-4-PV | 146.0 | 131.0 | 256.0 | 243.5 | 167.0 | 84.5  | 6                     |
| KE100-7R5G-4-PV | 170.0 | 151.0 | 320.0 | 303.5 | 196.3 | 113.0 | 6                     |
| KE100-011G-4-PV | 170.0 | 151.0 | 320.0 | 303.5 | 196.3 | 113.0 | 6                     |
| KE100-015G-4-PV | 170.0 | 151.0 | 320.0 | 303.5 | 196.3 | 113.0 | 6                     |
| KE100-004G-2-PV | 170.0 | 151.0 | 320.0 | 303.5 | 196.3 | 113.0 | 6                     |
| KE100-5R5G-2-PV | 170.0 | 151.0 | 320.0 | 303.5 | 196.3 | 113.0 | 6                     |
| KE100-7R5G-2-PV | 170.0 | 151.0 | 320.0 | 303.5 | 196.3 | 113.0 | 6                     |
| KE100-018G-4-PV | 200.0 | 185.0 | 340.6 | 328.6 | 184.3 | 104.5 | 6                     |
| KE100-022G-4-PV | 200.0 | 185.0 | 340.6 | 328.6 | 184.3 | 104.5 | 6                     |
| KE100-030G-4-PV | 250.0 | 230.0 | 400.0 | 380.0 | 202.0 | 123.5 | 6                     |
| KE100-037G-4-PV | 250.0 | 230.0 | 400.0 | 380.0 | 202.0 | 123.5 | 6                     |

Dimensions in wall mounting for 45-200kW please refer operation manual page 63-64.

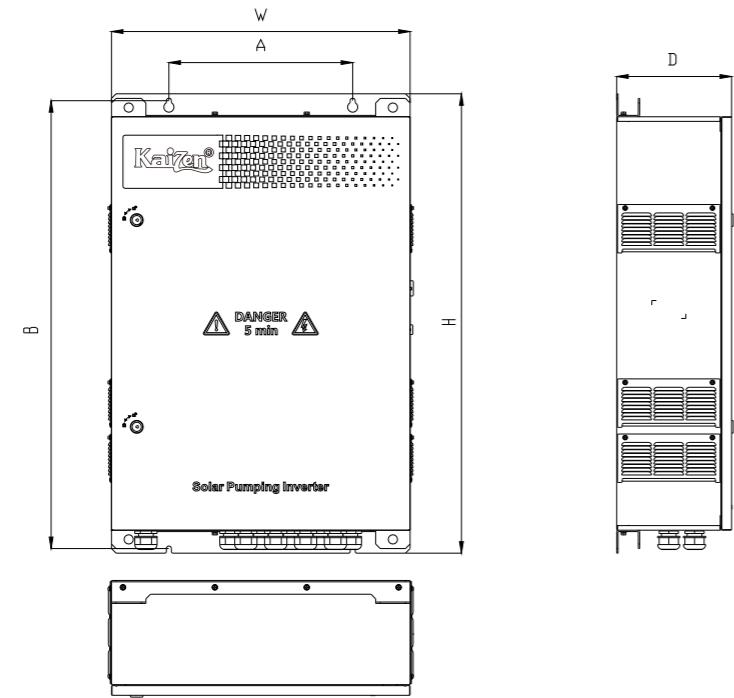
Dimensions in flange installation (unit: mm)

| Model           | W1    | W2  | W3  | W4   | H1  | H2  | H3    | H4   | D1    | D2    | Installation hole (d) | Nut specs |
|-----------------|-------|-----|-----|------|-----|-----|-------|------|-------|-------|-----------------------|-----------|
| KE100-004G-4-PV | 170.2 | 131 | 150 | 9.5  | 292 | 276 | 260   | 6    | 167   | 84.5  | 6                     | M5        |
| KE100-5R5G-4-PV | 170.2 | 131 | 150 | 9.5  | 292 | 276 | 260   | 6    | 167   | 84.5  | 6                     | M5        |
| KE100-7R5G-4-PV | 191.2 | 151 | 174 | 11.5 | 370 | 351 | 324   | 12   | 196.3 | 113   | 6                     | M5        |
| KE100-011G-4-PV | 191.2 | 151 | 174 | 11.5 | 370 | 351 | 324   | 12   | 196.3 | 113   | 6                     | M5        |
| KE100-015G-4-PV | 191.2 | 151 | 174 | 11.5 | 370 | 351 | 324   | 12   | 196.3 | 113   | 6                     | M5        |
| KE100-004G-2-PV | 191.2 | 151 | 174 | 11.5 | 370 | 351 | 324   | 12   | 196.3 | 113   | 6                     | M5        |
| KE100-5R5G-2-PV | 191.2 | 151 | 174 | 11.5 | 370 | 351 | 324   | 12   | 196.3 | 113   | 6                     | M5        |
| KE100-7R5G-2-PV | 191.2 | 151 | 174 | 11.5 | 370 | 351 | 324   | 12   | 196.3 | 113   | 6                     | M5        |
| KE100-018G-4-PV | 266   | 250 | 224 | 13   | 371 | 250 | 350.6 | 20.3 | 184.6 | 104   | 6                     | M5        |
| KE100-022G-4-PV | 266   | 250 | 224 | 13   | 371 | 250 | 350.6 | 20.3 | 184.6 | 104   | 6                     | M5        |
| KE100-030G-4-PV | 316   | 300 | 274 | 13   | 430 | 300 | 410   | 55   | 202   | 118.3 | 6                     | M5        |
| KE100-037G-4-PV | 316   | 300 | 274 | 13   | 430 | 300 | 410   | 55   | 202   | 118.3 | 6                     | M5        |

Note: If use flange installation, you must configure flange installation boards.

Dimensions in flange installation for 45-200kW please refer operation manual page 64-65.

Models of IP54 support wall mounting



IP54 inverter dimensional drawing

IP54 inverter dimensions (unit: mm)

| Power(kW) | Model                  | W   | H    | D   | A   | B   |
|-----------|------------------------|-----|------|-----|-----|-----|
| 0.4       | KE 100-0R4G-S25-PV-AS  |     |      |     |     |     |
|           | KE 100-0R4G-SS25-PV-AS |     |      |     |     |     |
| 0.75      | KE 100-0R7G-45-PV-AS   |     |      |     |     |     |
|           | KE 100-0R7G-S25-PV-AS  |     |      |     |     |     |
| 1.5       | KE 100-1R5G-45-PV-AS   | 550 | 700  | 200 | 400 | 675 |
|           | KE 100-1R5G-S25-PV-AS  |     |      |     |     |     |
|           | KE 100-1R5G-SS25-PV-AS |     |      |     |     |     |
| 2.2       | KE 100-2R2G-45-PV-AS   |     |      |     |     |     |
|           | KE 100-2R2G-S25-PV-AS  |     |      |     |     |     |
|           | KE 100-2R2G-SS25-PV-AS |     |      |     |     |     |
| 4         | KE 100-004G-45-PV-AS   |     |      |     |     |     |
|           | KE 100-004G-25-PV-AS   |     |      |     |     |     |
| 5.5       | KE 100-5R5G-45-PV-AS   |     |      |     |     |     |
|           | KE 100-5R5G-25-PV-AS   |     |      |     |     |     |
| 7.5       | KE 100-7R5G-45-PV-AS   | 550 | 900  | 225 | 400 | 875 |
|           | KE 100-7R5G-25-PV-AS   |     |      |     |     |     |
| 11        | KE 100-011G-45-PV-AS   |     |      |     |     |     |
| 15        | KE 100-015G-45-PV-AS   |     |      |     |     |     |
| 18.5      | KE 100-018G-45-PV-AS   |     |      |     |     |     |
| 22        | KE 100-022G-45-PV-AS   | 650 | 1000 | 250 | 400 | 975 |
| 30        | KE 100-030G-45-PV-AS   |     |      |     |     |     |
| 37        | KE 100-037G-45-PV-AS   |     |      |     |     |     |

If you need capacity above 37kW of IP54 model please contact INVT.