



# GD100-PV Series Inverter For Solar Water Pump

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# Why we develop GD100-PV series?

1

The kinds of product for solar pump is too much, GD20-01、GD100-01、GD200-01、CHF100A、BPD it's not good for promotion and not convenient to choose.

**Unified  
the type**

2

The previous products need to set some parameters before running, difficult to debug for customers.

**Improved  
the usability &  
performance**

3

The failure rate of IGBT in the inverter of 7.5kW is a little high.

**Enlarge  
IGBT grade**

# CONTENTS

**1**

**Brief Introduction**

**2**

**Product Specification**

**3**

**The Boost Module**

**4**

**Remote Monitoring**

**5**

**Solution for Auto Switch**

**6**

**Commissioning**

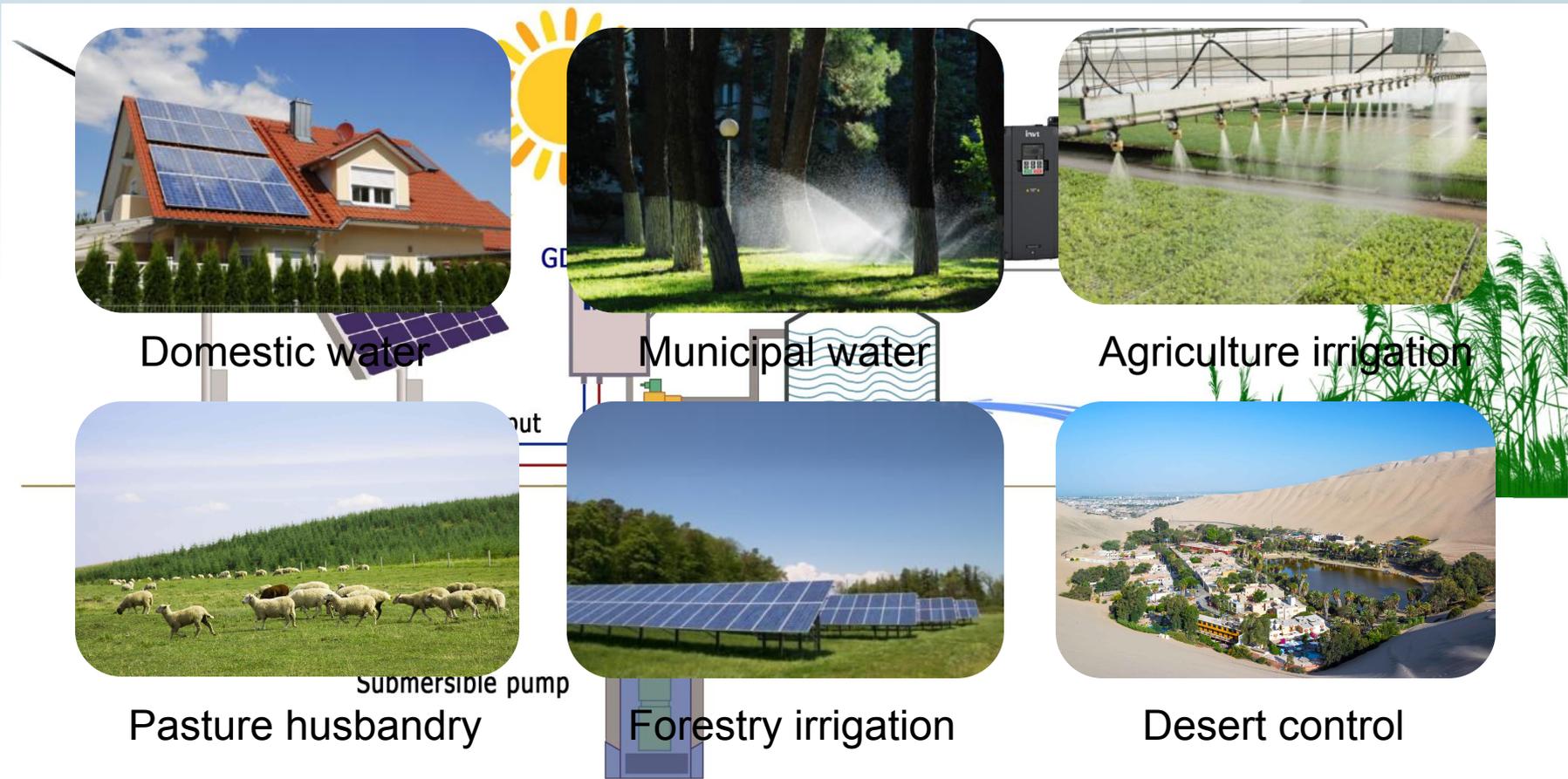
# Brief Introduction

Goodrive100-PV series are specially designed for solar water pump system, oriented for environment friendly and economical solar pump market.



# Brief Introduction

## Usage & Application



Application system of solar pump

# Brief Introduction

## Pros & Advantages

01

User-friendly

Multiple protective

02

The inverters can automatically start only after connected to solar panel without any parameter setting

Including PV over-voltage protection, PV connect reverse warning, auto derating against over-temperature etc...

# Brief Introduction

## Pros & Advantages

03

The boost module

Remote monitor

04

Models of 2.2kW or less can be configured with the boost module, which can make the pump work in low voltage and decrease the number of solar panel.

Support the GPRS module for optional, which can remote monitor the inverter by using the APP.

# Brief Introduction

## Pros & Advantages

05

Solution for auto switch

Product for IP54

06

Implement auto switch between PV and grid input, achieved 24-hour unattended working

Support cabinet product for IP54 protection level to avoid the dust and rain

# Product Specification

## model and power range

1PH → 220V	-SS2 0.4-2.2kW	1PH → 220V
1PH → 220V	-S2 0.4-2.2kW	3PH → 220V
3PH → 220V	-2 4-7.5kW	3PH → 220V
3PH → 380V	-4 0.75-37kW	3PH → 380V
3PH → 380V	-4 >37kW ?	3PH → 380V

# Product Specification

## Function parameters

Model	-SS2	-S2	-2	-4
<b>AC input voltage (V)</b>	220(-15%) ~240(+10%) (1PH)		220(-15%) ~240(+10%) (3PH)	380 (-15%) ~440(+10%) (3PH)
<b>Max. DC input voltage (V)</b>	440	440	440	800
<b>Start-up voltage (V)</b>	200	200	200	300
<b>Lowest working voltage (V)</b>	150	150	150	250
<b>Recommended DC input voltage range (V)</b>	200~400	200~400	200~400	300~750
<b>Recommended MPP voltage (V)</b>	330	330	330	550
<b>Rated output voltage (V)</b>	220 (1PH)	220 (3PH)	220 (3PH)	380 (3PH)