

Type designation key

GD100 - 5R5G - 4 5 - PV

① ② ③ ④ ⑤

Field identification	Sign	Detailed description of the sign	Detailed content
Product abbreviation	①	Product abbreviation	Goodrive100 is short for Goodrive100.
Rated power	②	Power range + Load type	5R5G—5.5kW G—Constant torque load
Voltage degree	③	Voltage degree	4: AC 3PH 380V (-15%)~440(+10%) 2: AC 3PH 220V (-15%)~240(+10%) S2: AC 1PH 220V (-15%)~240(+10%) SS2: AC 1PH input/output 220V (-15%)~240(+10%)
Protection level	④	Protection level	Protection level 5—IP54 The protection level of a standard inverter is IP20, but this field is not displayed.
Industrial code	⑤	Industrial code	PV stands for PV pump.

Product Specifications

Product function parameters

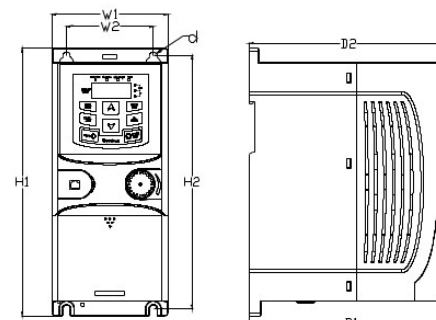
Model	-SS2	-S2	-2	-4
Max. DC input voltage (V)	440	440	440	800
Start-up voltage (V)	200	200	200	300
Lowest working voltage (V)	150	150	150	250
Recommended DC input voltage range (V)	200~400	200~400	200~400	300~750
Recommended MPP voltage (V)	330	330	330	550
Rated output voltage (V)	220 (1PH)	220 (3PH)	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 the ambient temperature of the inverter is above 40°C, derate 2% for every additional 1°C.			
Altitude	Below 1000m If the sea level is above 1000m, derate 1% for every additional 100m.			
Cooling manner	Forced cooling			
Protection level	IP20; IP54 (Cabinet)			

Product rated specification parameters

Series	Model	Rated output power (kW)	Rated input current (A)	Rated output current (A)
-S2 series Single-phase, 220V input/output (0.4-2.2 kW)	GD100-0R4G-SS2-PV	0.4	6.5	4.2
	GD100-0R7G-SS2-PV	0.75	9.3	7.2
	GD100-1R5G-SS2-PV	1.5	15.7	10.2
	GD100-2R2G-SS2-PV	2.2	24	14
-S2 series Single-phase, 220V input (0.4-2.2 kW)	GD100-0R4G-S2-PV	0.4	6.5	2.5
	GD100-0R7G-S2-PV	0.75	9.3	4.2
	GD100-1R5G-S2-PV	1.5	15.7	7.5
	GD100-2R2G-S2-PV	2.2	24	10
-2 series Three-phase, 220V (4-7.5kW)	GD100-004G-2-PV	4	17	16
	GD100-5R5G-2-PV	5.5	25	20
	GD100-7R5G-2-PV	7.5	33	30
-4 series Three-phase, 380V (0.75-37kW)	GD100-0R7G-4-PV	0.75	3.4	2.5
	GD100-1R5G-4-PV	1.5	5.0	4.2
	GD100-2R2G-4-PV	2.2	5.8	5.5
	GD100-004G-4-PV	4.0	13.5	9.5
	GD100-5R5G-4-PV	5.5	19.5	14
	GD100-7R5G-4-PV	7.5	25	18.5
	GD100-011G-4-PV	11	32	25
	GD100-015G-4-PV	15	40	32
	GD100-018G-4-PV	18.5	47	38
	GD100-022G-4-PV	22	56	45
	GD100-030G-4-PV	30	70	60
	GD100-037G-4-PV	37	80	75

Installation dimensions

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



Wall mounting

Dimensions in wall mounting (unit: mm)

Model	W1	W2	H1	H2	D1	D2	Installation hole (d)
GD100-0R4G-S2-PV	80.0	60.0	160.0	150.0	123.5	120.3	5
GD100-0R7G-S2-PV	80.0	60.0	160.0	150.0	123.5	120.3	5
GD100-0R4G-SS2-PV	80.0	60.0	160.0	150.0	123.5	120.3	5
GD100-1R5G-S2-PV	80.0	60.0	185.0	175.0	140.5	137.3	5
GD100-2R2G-S2-PV	80.0	60.0	185.0	175.0	140.5	137.3	5
GD100-0R7G-SS2-PV	80.0	60.0	185.0	175.0	140.5	137.3	5
GD100-1R5G-SS2-PV	80.0	60.0	185.0	175.0	140.5	137.3	5
GD100-2R2G-SS2-PV	80.0	60.0	185.0	175.0	140.5	137.3	5
GD100-0R7G-4-PV	80.0	60.0	185.0	175.0	140.5	137.3	5
GD100-1R5G-4-PV	80.0	60.0	185.0	175.0	140.5	137.3	5
GD100-2R2G-4-PV	80.0	60.0	185.0	175.0	140.5	137.3	5