

DELIXI
ELECTRIC

DELIXI SPD (C1) Solar pump inverter



■ CDI-SPD (C1)

Product Introduction:

DELIXI CDI-SPD (C1) Series solar pump inverter is a high performance special variable frequency drive for solar pumping system, it converts direct current, which from solar module array, to alternating current for driving different type of AC pump. The product adopts industry-leading MPPT algorithm. It is suitable for agricultural irrigation, mountain water supply, desert management and other scenarios, and is an ideal choice for green energy applications.

Technical Characteristics:

◎Excellent performance

Built-in industry-leading MPPT algorithm to track the maximum power of the solar module, up to 99.9% efficiency.

◎Ultra-wide DC input range

Support max DC input voltage up to 900V. Power range up to 110kW. higher power customization is also accepted.

◎Safe & Reliable

With over-voltage protection, over-current protection, over-temperature automatic frequency reduction and other protection functions.

◎Easy operation

Easy to install, no need to set parameters, ready to use, and has a parameter one-key recovery function.

◎Enhanced Hardware & Structural Innovation

Through the strengthening of the hardware and the optimization of the structure, the product reliability is further improved, and the heat dissipation performance is better.

◎Intelligent hybrid power supply, AC / DC Auto Switch

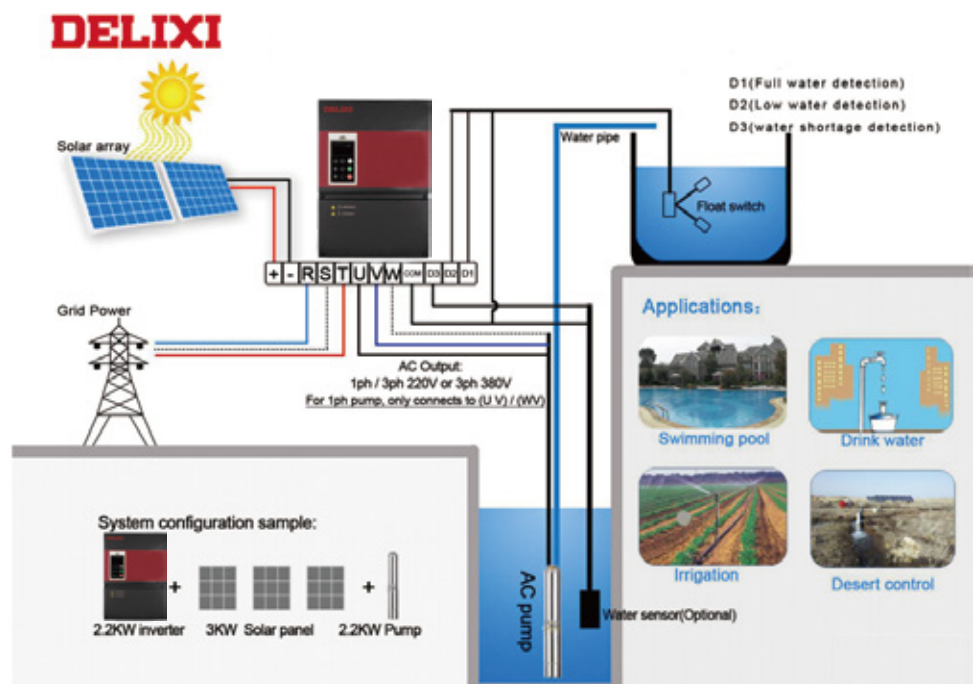
The full range can realize automatic switching between DC & Grid AC, to achieve 24/7 hours uninterrupted work.

◎GPRS Remote Monitoring

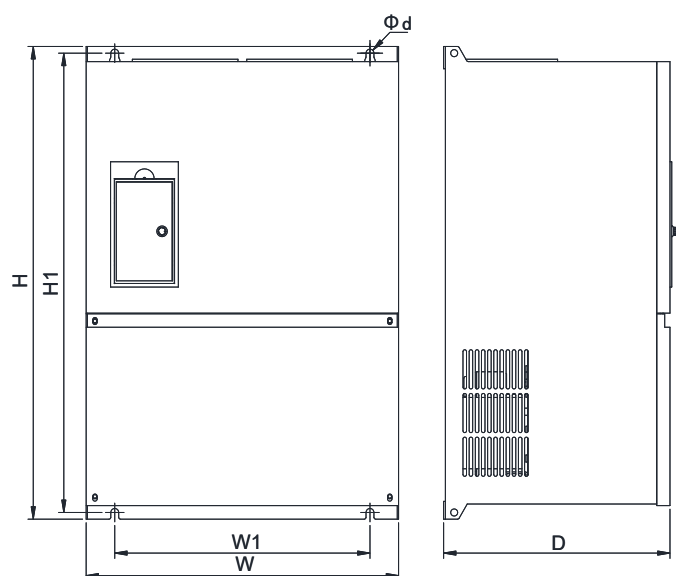
Support the optional GPRS module, can achieve computer web pages and mobile APP remote monitoring function.

Applications:

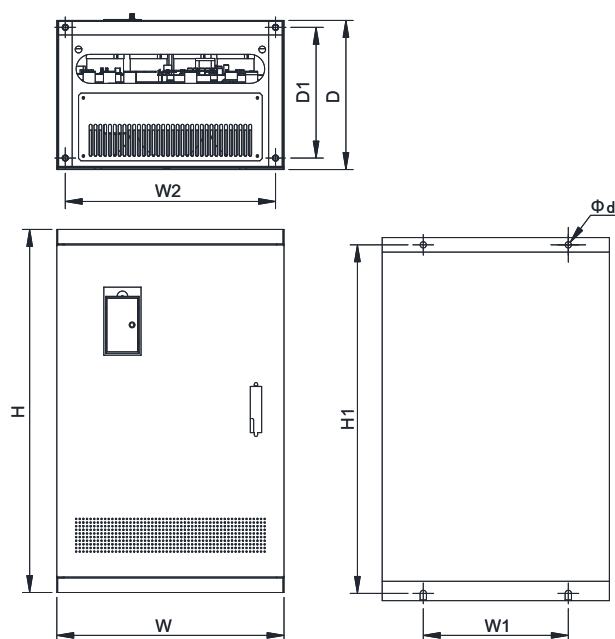
Widely used in farm irrigation, animal husbandry, production and domestic water supply in areas with sufficient sunshine and shortage of electricity.



■ Appearance and installation size



Model 1



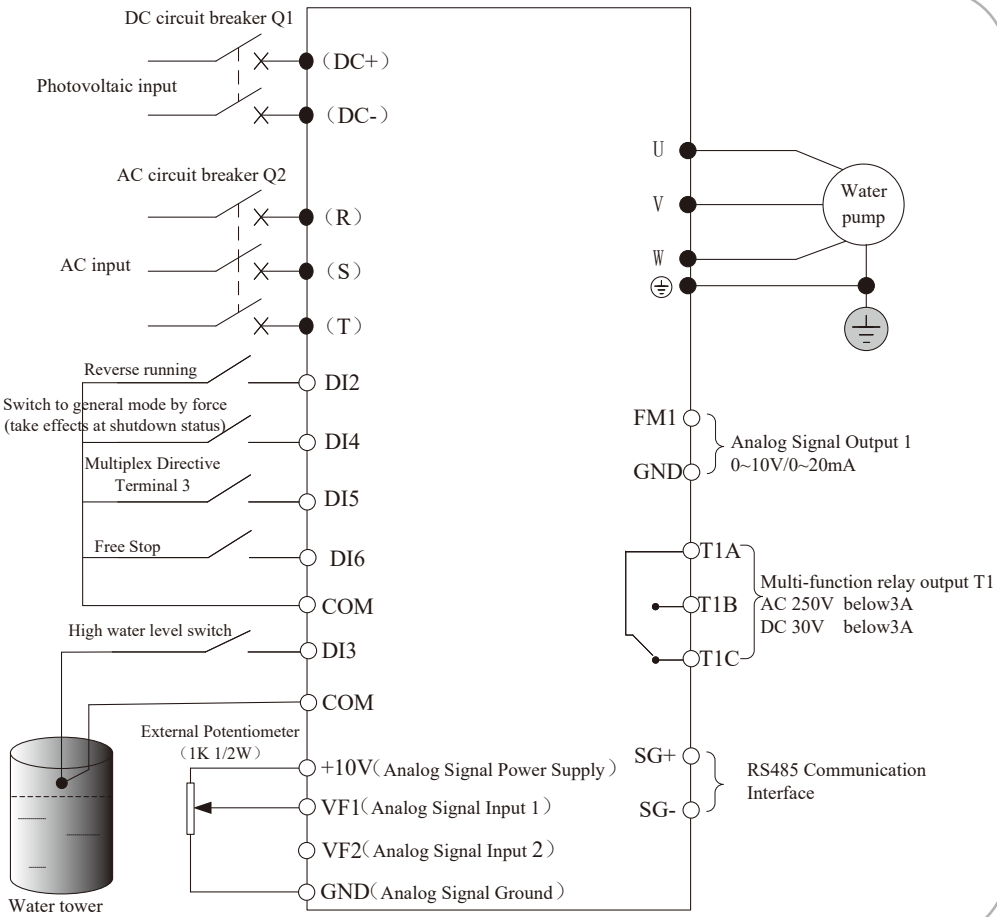
Model 2

Inverter Model	Rated Input Current (A)	Rated Output Current (A)	Adaptive motor (kW)	Overall installation dimensions(mm)							Appearance
				W	W1	H	H1	D	D1	Φd	
CDI-SPDG011T4 (C1)-H	26.0	24.0	11	250	180	420	405	202	189	7	Model 1
CDI-SPDG015T4 (C1)-H	35.0	32.0	15	250	180	420	405	202	189	7	
CDI-SPDG018.5T4 (C1)-H	38.5	37.0	18.5	300	190	460	445	222	209	7	
CDI-SPDG022T4 (C1)-H	46.5	45.0	22	300	190	460	445	222	209	7	
CDI-SPDG030T4 (C1)-H	62.0	60.0	30	300	190	460	445	222	209	7	
CDI-SPDG037T4 (C1)-H	76.0	75.0	37	355	290	530	515	270	257	9	
CDI-SPDG045T4 (C1)-H	92.0	90.0	45	355	290	530	515	270	257	9	
CDI-SPDG055T4 (C1)-H	113.0	110.0	55	390	290	600	585	270	257	9	
CDI-SPDG075T4 (C1)-H	157.0	152.0	75	390	290	600	585	270	257	9	
CDI-SPDG090T4 (C1)-H	180.0	176.0	90	470	300	750	720	321	308	13	Model 2
CDI-SPDG110T4 (C1)-H	214.0	210.0	110	470	300	750	720	321	308	13	

Product Specifications

Model Type	T4 type	T4-H type
AC input voltage(V)	380(±15%) (3PH)	380(±15%) (3PH)
Maximum DC voltage(V)	800	900
Starting voltage(V)	300	300
Minimum working voltage(V)	250	250
Recommended DC input voltage range(V)	300 ~ 750	300 ~ 850
Power range(kW)	11 ~ 110	11 ~ 110

Wiring Diagram



Nameplate Data

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MODEL: CDI-SPDG015T4(C1)-H IP20

INPUT:DC 250- 900V

AC 3PH 380± 15%/50/ 60Hz

OUTPUT:AC 3PH 0V~ Uinput 0~ 320Hz

32A 15kW

HW:1.1.12

SW:511.39

SN:SPDG015T4(C1)H25C00001



DELIXI HANGZHOU INVERTER CO., LTD.