



DISTRIBUTED SOLAR POWER SYSTEM

A SOLAR POWER SYSTEM IS AN ENVIRONMENTALLY FRIENDLY, SAFE ENERGY WITH ABUNDANT SUPPLY. INSTALLING A SOLAR POWER SYSTEM IS A GOOD WAY TO MEET THE RISING RENEWABLE ENERGY PORTFOLIO STANDARDS.

With various levels of governments' financial support for solar power system installation and feed-in-tariff for purchasing solar power fed into the grids, solar power systems investments have become a virtually risk-free financial product with a very attractive return rates of return.

Canadian Solar provides complete distributed solar system solutions to meet their green energy needs. Canadian Solar's distributed solar power systems are designed to meet different applications in system capacities of 700W, 3kW, 5kW, 10kW, 20kW, 50kW, 1000kW etc..

Canadian Solar also provides customized solar system solutions for special solar energy requirements.

CANADIAN SOLAR INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading PV project developer and manufacturer of solar modules with over 30 GW deployed around the world since 2001, Canadian Solar Inc. is one of the most bankable solar companies worldwide.

CANADIAN SOLAR INC.

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SYSTEM INTRODUCTION

1. Solar Module

Convert sunlight into electric energy.

2. Mounting System

Fix solar modules.

3. Inverter

Convert DC power into AC power.

4. Distribution Box / Cabinet

Provides safety protection for DC and AC circuits, including DC junction box and AC junction box/cabinet.

5. Meter

Meter system power generation and user's electricity consumption.

6. Load

7. Monitoring System

Monitor and manage solar power system.

8. Utility Grid

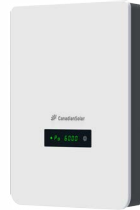


KEY COMPONENTS



KUPOWER CS3K - 285/290/295/300/305P

- Low power loss in cell connection
- High module efficiency up to 18.36 %
- Low temperature coefficient (Pmax):
-0.37 % / °C
- Low NMOT: 42 ± 3 °C
- High PTC rating of up to: 92.63 %
- Lower hot spot temperature



INVERTER

- 98.6 % high efficiency
- IP 65 enclosure
- Advanced MPPT automatic tracking
- Inbuilt protection for overvoltage
- Islanding, overload, overheating, etc.
- Easy installation and commissioning
- Support wired or wireless communication modes like 485, WiFi, GPRS etc..

THE CONFIGURATION OF TYPICAL SYSTEMS

System Model	CS700	CS1500	CS3000	CS5000	CS10000	CS20000	CS25000
System Capacity	700W	1500W	3000W	5000W	10000W	20000W	25000W
Solar module	KuPower CS3K-P						
Type							
Quantity	3PCS	6PCS	12pcs	18pcs	36pcs	72pcs	90pcs
Solar Inverter							
Model	CSI-700TL1P-GI	CSI-1.5K-TL	CSI-3K-TL	CSI-5K-MTL	CSI-10K-TL	CSI-20KTL-GI-FL	CSI-25KTL-GI-FL
Communication	Wifi (Default) or GPRS(Optional, SIM card is not provided.)						
Monitoring system	Mobile APP and PC web						
Solar Mounting system	Applies to tile roof, flat roof and metal roof,etc.. The material of key parts are Al6005-T5 and stainless steel.						
Distribution Box							
DC junction box	Comply with local grid code. Key features such as outdoor box,DC fuse,DC MCB,DC SPD,etc.						
AC junction box	Comply with local grid code. Key features such as outdoor box,AC switch or MCB, AC SPD,etc.						
Solar cable	2 Pfg 1169 PV1-F 1x4mm2, Black / Red, TUV Certification						
AC cable	Comply with local Certification						

System Model	CS30K	CS40K	CS50K	Above 50kW
System Capacity	30kW	40kW	50kW	60-1000kW(@380V/400V)
Solar module	KuPower CS3K-P, KuMax CS3U-P			
Type				
Quantity	120PCS	150PCS	180PCS	According to the requirements of the project
Solar Inverter				
Model	CSI-30KTL-GI-FL	CSI-40KTL-GI-FL	CSI-50KTL-GI	Several inverters
Communication	Wifi (Default) or GPRS(Optional, SIM card is not provided.)			
Monitoring system	Mobile APP and PC web			
Solar Mounting system	Applies to flat roof and metal roof,etc.			
	1) Aluminum alloy: The material of key parts are Al6005-T5, and stainless steel fasteners.			
	2) Steel: The material of key parts are hot dip galvanized steel, and stainless steel fasteners.			
Distribution Box / Cabinet	Comply with local grid code and the requirements of the project.			
Solar cable	2 Pfg 1169 PV1-F 1x4mm2, Black / Red, TUV Certification			
AC cable	Comply with local Certification and the requirements of the project.			

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