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## TECHNICAL PRODUCT INFORMATION

### Test & measurement instruments

- high - quality
- moderate prices
- excellent precision

#### **Your contact:**

Technical support, services, demo & rental equipment, price information  
& quotes, consulting:

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# Introduction-High Performance Programmable DC Power Supply



**Power: 5~30kW**

**Voltage: 100V~2000V**

**Current: 0~600A**

## C3000 Series High Performance Programmable DC Power Supply

C3000 series products are the high dynamic programmable DC power supply with wide voltage range, ultra-accuracy. With 3U height, it supports up to 30kW power output and is capable of promoting the power density to the ever new level. It is characterized with automatic measuring range in terms of performance of output and serving with flexible combination of voltage and current.

# C3000 Product Portfolio:

	Power[kW]	Voltage[V]	Current[A]
High Voltage	7.5kW	750V	60A
	15kW	750V	120A
	15kW	1500V	60A
	21kW	2000V	60A
	30kW	750V	180A
	30kW	2000V	60A
Low Voltage	5kW	100V	200A
	10kW	100V	400A
	15kW	100V	600A

# C3000 Product Portfolio:

## NORMAL

Fundamental, Cost-effective

## PRO

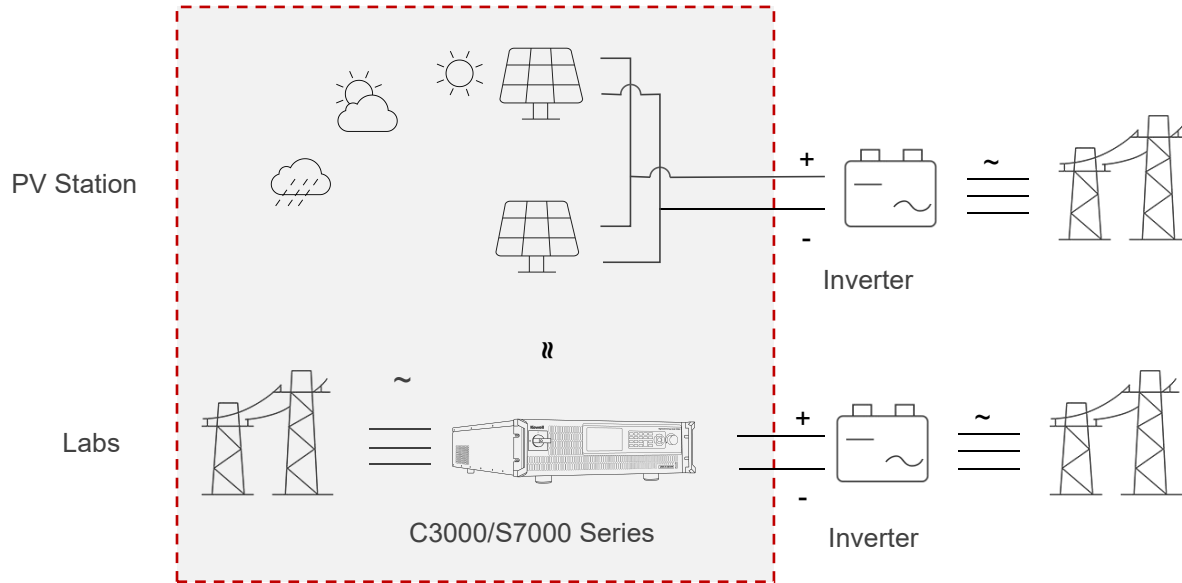
Fully-featured, Multi-scenario

Model	N	P
DC Power Source	•	•
IV Simulation	—	•
Custom Waveforms*	—	•
Automotive Power Curve*	—	•



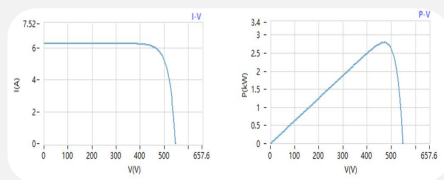
# Application-IV Simulation

MORE PRECISE AND CONVENIENT

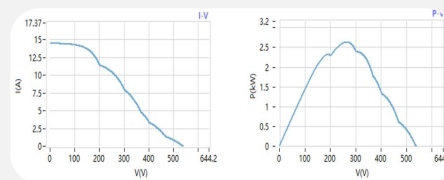


## IV Simulations

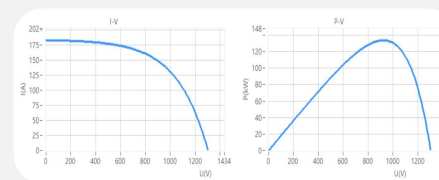
1. Solar panel is made of 3 kinds of materials, including **monocrystalline silicon**, **polycrystalline silicon** and **thin Film**. Device can fulfill the simulation.
2. The output of solar panel in real environments, including **sunny**, **cloudy** and **rainy** days, can be simulated.
3. **Static MPPT** testing can fulfill the simulation for simplex output of the solar panel.
4. **Dynamic MPPT** testing can fulfill multiple output characteristics of solar panel.



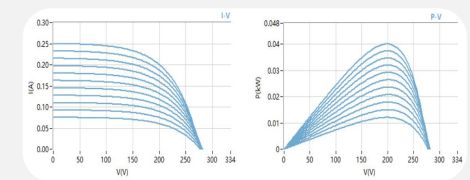
IV simulation



Shadowing



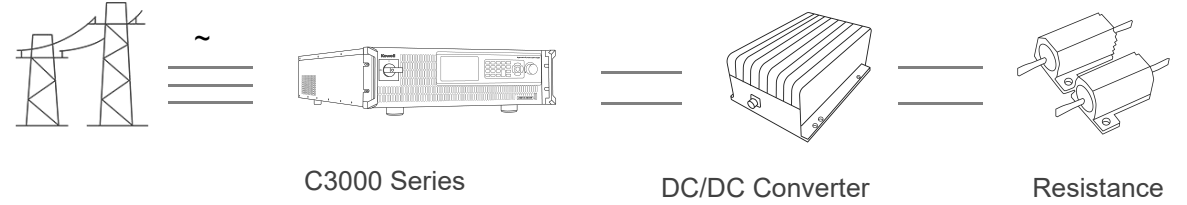
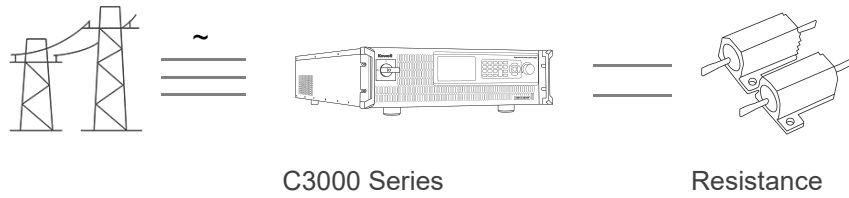
Static MPPT



Dynamic MPPT  
(EN 50530)

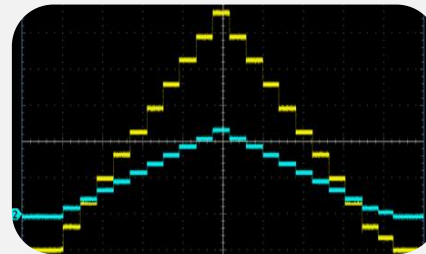
# Application-DC Testing

MORE PRECISE AND CONVENIENT



## DC Mode

1. Resistance Aging Testing;
2. Voltage Transience Testing;
3. DC/DC Over Voltage & Under Voltage Testing、Rated Power Testing;



Voltage Transience



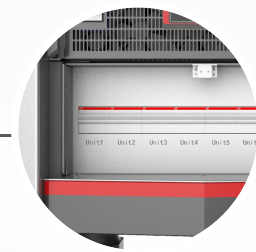
Constant Voltage Mode

# C3000 Working in Parallel:

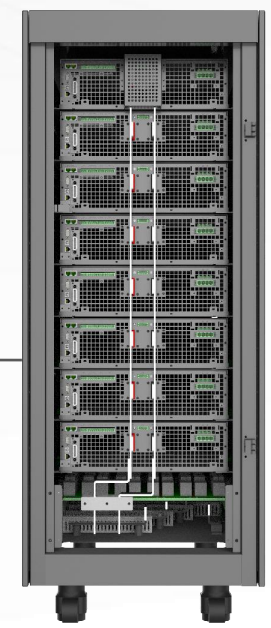
Model	Numbers	Weight(cabinet)
HK-15U	2~4	130kg
HK-29U	5~8	220kg
HK-42U	9~10	280kg



EMG button



Input switch



Output busbar