LXinstruments GmbH
Rudolf-Diesel-Str. 36
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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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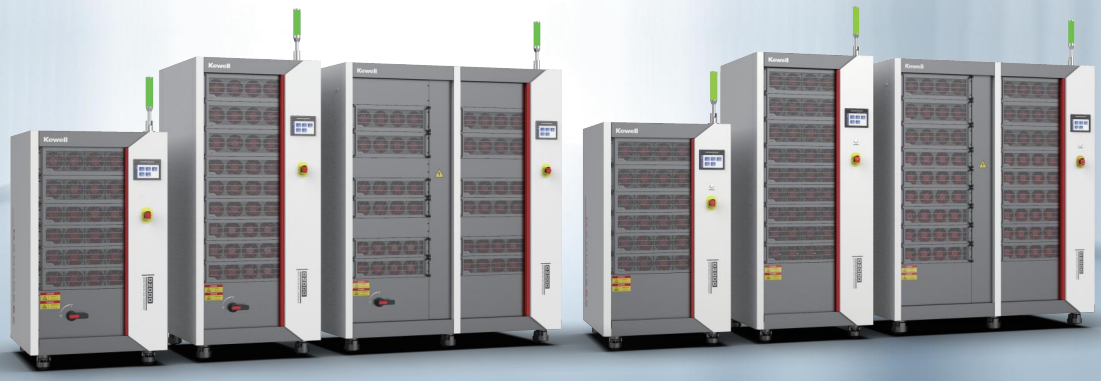
PV Simulator

D2000-IV Series



D2000-IV series is an efficient PV simulator boasting high precision and high dynamic response. The series adopts SiC design of the third-generation wide band gap semiconductor devices, allowing it to be modularized and standardized, offering industry leading performance + experience. It is widely applicable to PV energy storage and charging testing covering inverters, charging piles, research institutes and colleges and universities.

176kW/m³

High power density

Independent Modules

Flexible, stable, easy maintenance

Up to 300V/ms

Super-fast voltage rise

500μs

Superfast recovery from sudden loading

SiC Design

All-new generation

Standard IV Models

Built-in EN50530, Sandia, SAS,NB/T32004, CGC/GF004, and CGC/GF035 models

±0.02%F.S.

High voltage/current accuracy

Efficiency≥95.5%

Reduce carbon emissions

KEWELL TECHNOLOGY CO., LTD.

https://www.kewelltest.com/ sales2@kewell.com.cn

(QR code) >>

Normal		Pro		Ultra
Fundamental, Cost-effective	>>>	Fully-featured, Multi-scenario	>>>	Ultimate experience, Lab testing-oriented

D2000-IV Series					
Function parameters \ Version			Normal	Pro	Ultra
Voltage range	12-1200V	20-2000V	●	●	●
Power/current	100kW/300A	-	●	●	-
	200kW/600A	-	●	●	-
	-	100kW/150A	●	●	●
	-	200kW/300A	●	●	●
	-	300kW/450A	●	●	●
	-	400kW/600A	●	●	●
	-	500kW/750A	●	●	●
	-	600kW/900A	-	●	●
Functions	IV simulation		●	●	●
	Bidirectional DC source		●	●	●
	Battery simulation		●	●	●
	DC electronic load		-	●	●
	Electrically operated switch		-	●	●
	Manual switch		●	-	-
	Communication interfaces RS485/LAN/CAN		●	●	●
Output parameters	Voltage accuracy		±0.05%F.S.	±0.05%F.S.	±0.02%F.S.
	Current accuracy		±0.1%F.S.	±0.05%F.S.	±0.02%F.S.
	Response time		1ms	1ms	500μs
	Switch time		2ms	2ms	1ms
	Voltage slew rate		100V/ms	200V/ms	300V/ms
	Voltage ripple		≤0.1%·F.S.		
	Current ripple		≤0.1%·F.S.		
	Efficiency		95.5%		
	Grounding resistance		≤0.1Ω		
Input parameters	Grid voltage		380V±15%		
	Grid frequency		47-63Hz		
	iTHD		≤3%		
	Power factor		≥0.99		
IV curve	PV panel type		Monocrystalline, polycrystalline, thin film		
	I-V curve refresh rate		100ms		
	I-V curve edit		EN50530, Sandia, dynamic/static MPPT curve, time scaling, shadowing		
	Range of fill factor		0.3-0.95		
	Curve points		4096 points		
General parameters	Operating temperature		-10 ~ 40℃		
	Dimensions/weight		See product portfolio for details		

Note: ● come with standard equipment - none