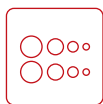


PV Simulator

D2000-IV Series

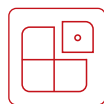


D2000-IV series is an efficient PV simulator boasting high precision and high dynamic response. The series adopts SiC design of the third-generation wide band gap semiconductor devices, allowing it to be modularized and standardized, offering industry leading performance + experience. It is widely applicable 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) >>



ES France - Département Puissance Energie
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Tél. 01 47 95 99 45
Fax. 01 47 01 16 22



e-mail : tem@es-france.com
Site Web : www.es-france.com

Normal

Fundamental, Cost-effective



Pro

Fully-featured, Multi-scenario



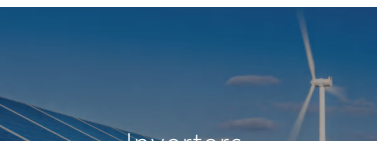
Ultra

Ultimate experience, Lab testing-oriented

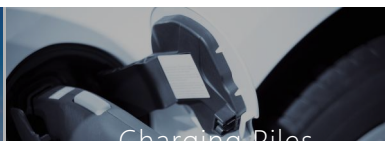
D2000-IV Series

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°C		
	Dimensions/weight			See product portfolio for details		

Note: ● come with standard equipment - none



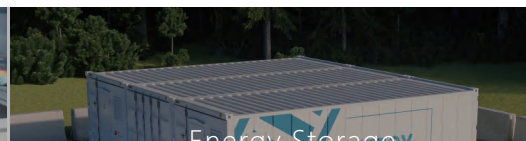
Inverters



Charging Piles



Colleges and Universities



Energy Storage



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