

Programmable Bidirectional DC Power Supply

— D2000-EV Series —



176kW/m³ – 300kW@900kg

Get 300kW in one cabinet lighter than 900kg



Independent Modules

Flexible, stable, easy maintenance



Up to 300V/ms

Super-fast voltage rise



$\Delta V \leq 10V$

0-90% ΔI @10ms



SiC Design

All new generation



Efficiency >95.5%

Reduce carbon emissions



Multi-function

Source /load /battery simulation...



CC/CV Priority

Meeting varied test requirements



$\pm 0.02\%F.S.$

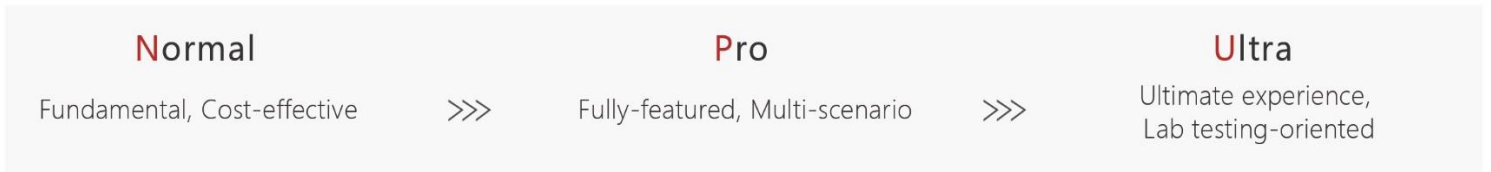
High voltage/current accuracy



Fastest recovery in 500 μ s

Super fast recovery from sudden loading

D2000-EV Series is an intelligent DC power supply boasting high accuracy, high dynamic response, and high efficiency. Adopting the all-new third-generation wide bandgap semiconductor device—SiC, the product series is highly modularized and standardized, offering industry-leading performance + experience. It is widely applicable to testing for electric vehicles, energy storage, aerospace and rail transit, as well as testing performed by research institutes and universities and colleges.



D2000-EV Series				
Version		Normal	Pro	Ultra
Function param				
Voltage range	12-1200V	•	•	•
Power/current	100kW/300A	•	•	-
	200kW/600A	•	•	•
	300kW/900A	•	•	•
	400kW/1200A	•	•	•
	500kW/1200A	•	•	•
	600kW/1200A	-	•	•
Function	Bidirectional DC power supply	•	•	•
	Battery simulation	•	•	•
	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	2ms	1ms	500μs
	Switching time	4ms	2ms	1ms
	Voltage slew rate	100V/ms	200V/ms	300V/ms
	Current slew rate	200A/ms	300A/ms	500A/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	
General parameters	Operating temperature		-10 ~ 40°C	
	Dimensions/weight	See product portfolio for details		

