Programmable DC Electronic Load

E5000 Series

Kewell E5000 Series is a compact, high-power DC electronic load featuring wide operating range and high dynamic frequency. With basic and composite modes and varied load functions, the E5000 series is widely applicable to load testing for traction battery, fuel cell, DC charging pile, OBC, SMPS, UPS, PV module, etc.

6.6kW in 4U

Ultra-high power density

≥ 42A/μs

Rapid current slew rate

3 current ranges

Precise current measurement

25kHz

Dynamic current/resistance loading

Sine Wave of 20kHz

Supporting analysis of fuel cell impedance

50kHz

Dynamic load sweep function with gradient of 0.01Hz

Composite Modes

CVCC / CRCC / CVCR / AUTO

Parallel

Flexible paralleling for higher power

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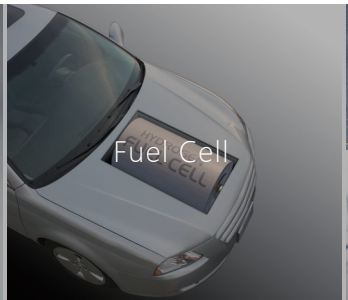
(QR code) >>

>>> **Normal**
Fundamental, Cost-effective

>>> **Pro**
Fully-featured, Multi-scenario >>>

E5000 Series					
Function Params			Version	Normal	Pro
Voltage	0-150V	0-600V	0-1200V	●	●
Power (kW) / Current(A)	2.2/200	2.2/140	2.2/80	●	●
	4.4/400	4.4/280	4.4/160	●	●
	6.6/600	6.6/420	6.6/240	●	●
	13.2/1200	13.2/840	13.2/480	●	●
	19.8/1800	19.8/1260	19.8/720	●	●
	26.4/2000	26.4/1680	26.4/960	●	●
Functions	Basic modes (CC/CV/CR/CP)			●	●
	Dynamic current load (CCD)			●	●
	Battery discharge			●	●
	Short-circuit simulation			●	●
	Von/Voff			●	●
	Vpk+/-			●	●
	LIST mode			●	●
	Dynamic resistance load (CRD)			-	●
	Composite modes (CVCC/CRCC/CVCR/AUTO)			-	●
	Sine wave mode (SWD)			-	●
	Dynamic load sweep (SWP)			-	●
	Determination of OCP/OPP points			-	●
Rated values*1	Voltage accuracy			0.05%+0.025%F.S.	0.025%+0.025%F.S.
	Current accuracy			≤0.1%+0.1%IF.S.	0.05%+0.05%IF.S
	Power accuracy			≤0.2%+0.3%F.S.	≤0.2%+0.2%F.S.
	Current slew rate			0.5mA/μs-0.6A/μs 2mA/μs-3A/μs 5mA/μs-6A/μs	0.5mA/μs ~ 6A/μs 2mA/μs ~ 21A/μs 5mA/μs ~ 42A/μs
	Dynamic current loading frequency			10kHz	25kHz
	Min. operating voltage			1.8V@600A	
Input parameters	Grid voltage			100 ~ 240Vac	
	Grid frequency			47-63Hz	
General parameters	Operating temperature			0 ~ 40℃	
	Dimensions			665(D)*445(W)*178(H)	

Note: ● come with standard equipment - none / *1: taking E5000-6K6-0150-0600 for example