



# Datenblatt ELP/DCM 9820

## *data sheet ELP/DCM 9820*

Elektronische DC-Last 150V | 240A | 10kW  
 Electronic *DC-Load* 150V | 240A | 10kW



- Andere Spannungs-/Strom-/Leistungskombinationen auf Anfrage
- Sechs Hochgeschwindigkeits-Betriebsarten: CC, CR, CV, CW, CC+CV, CR+CW
- Leuchtstarkes VFD-Display mit zwei Zeilen und vier Kanälen
- Einstellung der Softstartzeit, die den Stromversorger entsprechend dem eingestellten Spannungswert führt
- Batterietest und Kurzschlussfunktion
- Erhältlich mit dynamischer Prüfung und Einstellung der steigenden und fallenden Flanke
- Unterstützt externen Trigger-Eingang und -Ausgang
- Externer Stromwellenform-Monitoranschluss
- Unterstützt Fernspannungskompensation und Multidatenspeicherung
- Power-on-Selbsttest, Software-Kalibrierung und Standard-Rack-Montage
- Kommunikationsmodus: RS232/RS485/USB.

- Other voltage/current/power combinations on request
- Six high speed operation modes: CC, CR, CV, CW, CC+CV, CR+CW
- High-luminance VFD screen with two lines & four channels display
- Soft start time setting, carrying the power supplier according to the voltage value set
- Battery testing and short-circuit function
- Available of dynamic testing and rising edge and falling edge setting
- Supporting external trigger input and output
- External current waveform monitor terminal
- Supporting remote voltage compensation and multidata storage
- Power-on-self-test, software calibration and standard rack mount
- Communication mode: RS232/RS485/USB.

## Technical Specification Table

Model	ELP/DCM 9820		
Input Rating	Power	10000W	
	Current	0-240A	
	Voltage	0-150V	
CC Mode	Range	0-24A	0-240A
	Resolution	1mA	10mA
	Accuracy	0.05%+0.05%FS	0.05%+0.05%FS
CV Mode	Range	0.1-19.999V	0.1-150V
	Resolution	1mV	10mV
	Accuracy	0.03%+0.02%FS	0.03%+0.05%FS
CR Mode(Voltage and current input value $\geq$ 10% )	Range	0.3 $\Omega$ -2K	0.3 $\Omega$ -5K
	Resolution	16 bit	16 bit
	Accuracy	0.1%+0.1%FS	0.1%+0.2%FS
CW Mode (Voltage and current input value $\geq$ 10%FS)	Range	0-10000W	0-10000W
	Resolution	1mW	10mW
	Accuracy	0.1%+0.1%FS	0.1%+0.2%FS
V Measurement	Voltage	0-19.999V	0-150V
	Resolution	1mV	10mV
	Accuracy	0.03%+0.03%FS	0.03%+0.05%FS
I Measurement	Current	0-24A	0-240A
	Resolution	0.1mA	1mA
	Accuracy	0.1%+0.15%FS	0.1%+0.15%FS
W Measurement (Voltage and current input value $\geq$ 10%FS)	Watt	100W	10000W
	Resolution	1mW	10mW
	Accuracy	0.1%+0.1%FS	0.1%+0.2%FS
Battery Measurement	Battery Input: 0.5-150V; Max. Measurement: Capacity=999AH; Resolution=0.1mA; Time Range=1S-16HS		
Dynamic Measurement	Transition List: 0-25kHz; 5A/ $\mu$ S; T1&T2: 60 $\mu$ S-999S; Accuracy: + 15% offset+10% FS		
CC soft-startup Time	10mS; 20 mS; 50 mS; 100 mS; 200 mS Accuracy: + 15% offset+10% FS		
Short Circuit	Current (CC)	$\approx$ 26.4A	$\approx$ 264A
	Voltage (CV)	0V	
	Resistance (CR)	$\approx$ 6m $\Omega$	
Temperature	Operating	0~40°C	
	Non-operating	-10°C~70°C	
Dimension	W*H*D(mm)	489.5*357*538.5	
Weight	Kg	70	