

DC ELECTRONIC LOAD (2V-36V/0A-450A,2.5KW)



Touch Screen HMI:

- Display: 7-inch or larger high-resolution Color touch screen.
- Programming: Intuitive interface for setting and adjusting voltage, current, and load profiles.
- Monitoring: Real-time display of electrical parameters including voltage, current, power factor, and temperature.
- Data Logging: Capability to log real-time data, historical data, and generate comprehensive test reports.
- Alarms and Notifications: Visual and audible alerts for system faults, load changes, and other critical conditions.

DATAERA EV SYSTEMS LLP

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SPECIFICATIONS CHART DC Electronic Load Model: DCS- EL- 5010-05

Sl.No	Technical Specifications	
i	Parameters	
a.	Open Circuit voltage	0V-36V
b.	On Load voltage	2V-36V
c.	Load Current Range	0A-450A
d.	Power rating	2.5KW
e.	Modes of Operation	Constant Current
ii	Programmable Parameters	
a.	Test Duration	0-2 hours
b.	Time (Min Load Pulse)	10mSec
c.	Time (Max Load Pulse)	2 hours
d.	No. of Load Steps	Min 1, Max 300
e.	Load Realization time	<0.5mSec
iii	Data Acquisition Parameters	
a.	Voltage Range	2V-36V DC
	Resolution	0.5V
	Accuracy	±0.5%(FS)
b.	Current Range	0A-450A
	Resolution	0.5A
	Accuracy	±0.5%(FS)
c.	Power rating	2.5KW
d.	Data Acquisition Sampling Rate	1mSec, 10mSec & 1000mSec
iv	Indications	Load ON Low Battery Over Current Over Power Source reverse
v	COOLING	Forced Air Cooling(6inch dc fan 300 OR MORE CFM)---2 no's
vi	INPUT TERMINALS	Heavy duty copper bus bar Terminals.
vii	Test Termination Methods	
a.	Emergency Cut off	Circuit Breaker
viii	Protections	Over voltage Over Current Over Power Reverse polarity
ix	Dimensions	
X	Weight	
Xi	Max temperature with standing	55 °C
Xii	Noise and vibrations	Fan noise

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