

PROGRAMMABLE DC ELECTRONIC LOAD



Salient features:

- High Performance ARM Cortex™-M3 32 bit Micro controller
- Powerful user-friendly application software
- Programmable load profiles
- Responds to pulse loads of as fast as 1mS
- High precision data acquisition and presentation
- Very useful for simulation testing of missile electronics
- Powerful graphical data presentation with multiple zooming
- Tabular data presentation for closer examination of battery performance
- Suitable for Battery Discharger, SMPS Tester, Power Supply Tester, Solar Panel Tester
- Voltage range :5V to 30V
- Load capacity up to 30A or 900W
- Mode of operation: Constant Current
- Display: Digital Panel meter for Current and Voltage
- Set Current: Through front panel multi turn potentiometer
- Cooling: Forced air cooling
- Protections: Reverse polarity
- Indications: Mains, Source Connected, Source Reverse and Load ON

DATAERA EV SYSTEMS LLP

Plot No.19, TIF MSME Dandu Malkapur Industrial Estate, Yadadri Dt – Telangana-508252

Phone: +91 8106339911

Web: www.dataeraev.in

Email: ceo@dataeraev.in

SPECIFICATIONS CHART

Programmable DC Electronic Load: Model EL-0530-90

Sl.No	Parameters	
a.	voltage	5V-30V
b.	Load current Range	0-30A
c.	Power rating	900W
d.	Peak power	900W
e.	Modes of operation	CC, CP
f.	Constant current mode	0-30A
g.	Constant power mode	0-900W
II	Constant current mode	
a.	Current	0-30A
b.	Current Resolution	100mA
c.	Accuracy	±0.1%
III	Constant power mode	
a.	Power Range	0-900W
b.	Power Resolution	10W
c.	Accuracy	±0.5W
IV	Programmable Parameters	
a.	Test Duration	0-120minutes
b.	Time (min Load Pulse)	10mSec
c.	Time(Max Load Pulse)	120 Minutes
d.	No. of Load Pulses	Min 1, Max 600
e.	Load Realization time	<0.5mSec
V	Data Acquisition Parameters	
a.	Voltage Reading	0-30V
b.	Voltage Resolution	0.01V
c.	Voltage measurement accuracy	±0.1%(FS)
d.	Current Reading	0-30A
e.	Current Resolution	0.1A
f.	Accuracy	±0.25%(FS)
g.	Power Reading	0-900W
h.	Power resolution	10W
i.	power Accuracy	±0.1%(FS)
j.	Data Acquisition Sampling Rate	1mSec, 10mSec & 1000mSec
VI	Meters and Indications	
a.	Mains ON	
b.	Source Connected	
c.	Source Reverse	
d.	Test in Progress	
e.	Test Over	

DATAERA EV SYSTEMS LLP

Plot No.19, TIF MSME Dandu Malkapur Industrial Estate, Yadadri Dt – Telangana-508252

Phone: +91 8106339911

Web: www.dataeraev.in

Email: ceo@dataeraev.in

f.	Volt meter : 4 ½ Digit	
g.	Ammeter : 4 ½ Digit	
VII	Test Termination Methods	
a.	By time	S/W configurable
b.	By End Voltage	S/W configurable
c.	Forced Termination	S/W configurable
d.	Emergency Cut off	Circuit Breaker
VIII	Protections	
a.	Over voltage	
b.	Over current	
c.	Over power	
d.	Reverse polarity	
e.	Over temperature	
IX	Interface	
a.	RS-232, RS-485, USB	
X	Analog interface(external)	
a.	0-5V for current(switchable)	
b.	0-5V for power(switchable)	
XI.	Cooling	
a.	Forced air cooling	
XII	Output Terminals	
a.	Heavy Duty copper terminal	

DATAERA EV SYSTEMS LLP

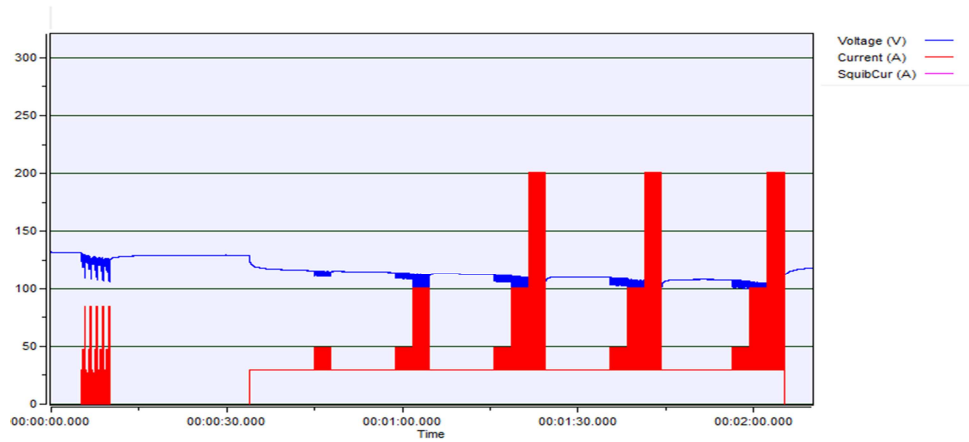
Plot No.19, TIF MSME Dandu Malkapur Industrial Estate, Yadadri Dt – Telangana-508252

Phone: +91 8106339911

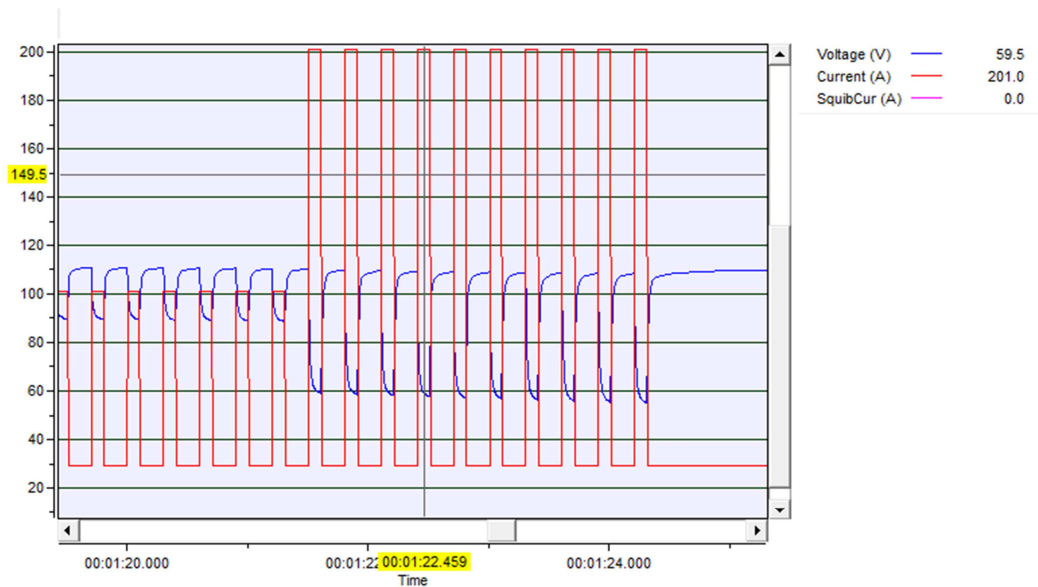
Web: www.dataeraev.in

Email: ceo@dataeraev.in

Graph view:



Graph zoom view:



DATAERA EV SYSTEMS LLP

Plot No.19, TIF MSME Dandu Malkapur Industrial Estate, Yadadri Dt – Telangana-508252

Phone: +91 8106339911

Web: www.dataeraev.in

Email: ceo@dataeraev.in