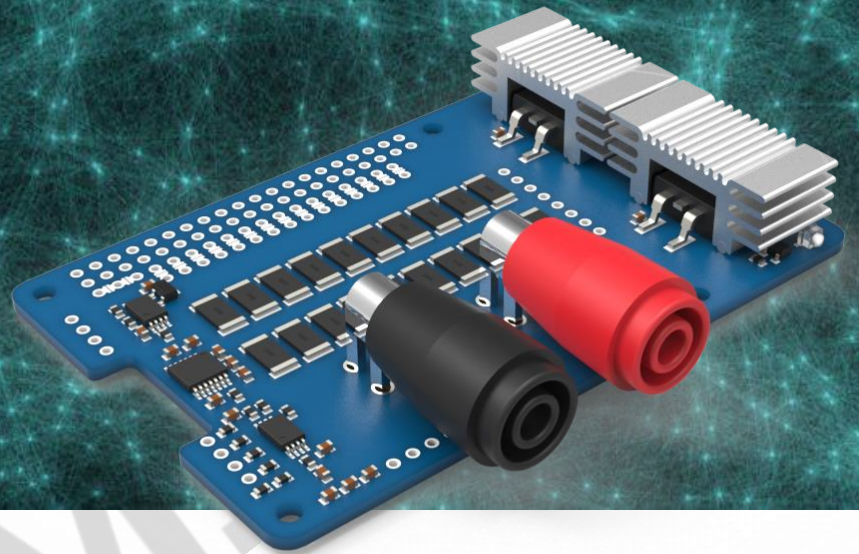


ELECTRONIC LOAD



A stackable digitally controlled electronic constant current load. This module provides a digitally controlled electronic constant current load with load and temperature sensing capability. A fan interface coupled with the temperature sensing capability increases the load power up to a continuous 15W

- Digitally controllable constant current electronic load
- Provides up to 5A maximum load current
- Supports up to 60 Vdc input
- 5V or 12V fan control supporting a 2, 3 or 4 pin interface
- Over temperature protection of load FETs
- Standard test equipment banana jack connections
- Selectable control interface options, SPI/I²C/Serial
- Compatible with Raspberry Pi® 40 pin header

SPECIFICATIONS

Voltage	5V and 3.3 (Vdc)	
Power	10 (mA _{max}) @ 3.3 Vdc, 30 (mA _{max}) @ 5.0 Vdc	
Load Voltage	2.5 - 60 (Vdc)	
Load Current	5 (A _{max})	
Load Power	3 (W _{max})	- Convection cooling
	15 (W _{max})	- Forced air ≥ 10cfm
Load Current Resolution	2 (mA)	± 2%
Interface Ports	Dual Banana Jack	
GPIO Interface	Serial UART	(Raspberry Pi® header pins 8 GPIO14 & 10 GPIO15)
	-or-	
	I ² C	(Raspberry Pi® header pins 3 GPIO02 & 5 GPIO03)
	-or-	
	SPI	(Raspberry Pi® header pins 19, 21, 23, 24 & 25)
	LED	(Raspberry Pi® header pins 22 GPIO25)
Operating Temp	0 °C to +50 °C Ambient	
Width	56.0 (2.20 in)	
Length	65.0 (2.56 in)	
Height	17.9 (0.70 in)	
Mounting	Tall connector (16 mm standoffs)	

ORDERING

ORDER NO.	VOLTAGE	CURRENT	POWER
ELOAD18053-50	60 (V _{max})	5 (A _{max})	5 (W _{max}) Forced air cooling
ELOAD18053-150	60 (V _{max})	5 (A _{max})	15 (W _{max}) Forced air cooling

* includes 2x20 pin Tall Female Header Connector & 8 pin Tall Stacking Header Connector

