



L3HARRIS®
FAST. FORWARD.

ECLIPSE 500

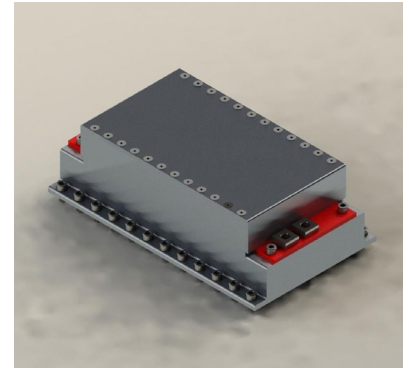
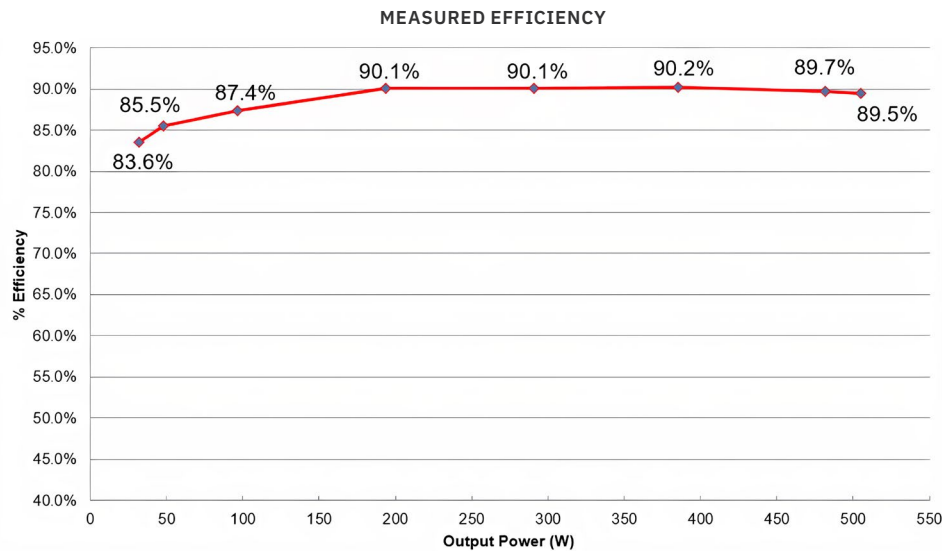
Parallelable 500 W power supply for military and space applications

The L3Harris ECLIPSE 500 is a 500 W transformer isolated power supply. Each is enclosed in a machined aluminum housing that can be bolted to a heat sink or cold plate. Each unit serves as a power supply “building block” and units can be paralleled to provide kilowatts of output power.

Eclipse 500 modules can be configured for a wide range of input and output voltages and provide approximately 90 percent efficiency in typical applications. High efficiency is achieved by using gallium nitride field effect transistors (GaN FETs).

The modules use commercial-off-the-shelf (COTS), military or space-grade parts and can be provided with or without radiation hardness. The module thermal design allows for operation in a vacuum using conduction cooling only, permitting operation in space or at high altitude. They are also designed to survive high shock and vibration.

TYPICAL PERFORMANCE



KEY FEATURES:

- > 500 W isolated power supply
- > Configurable for input voltages from approx. 12 V to 400 V
- > Configurable for output voltages from approx. 2 V to >1 kV
- > Modules can be paralleled up to 20 kW or more
- > Configurable as a battery charger
- > High efficiency
- > Uses GaN FETs up to 1 MHz
- > COTS, military or space-grade versions available
- > Radiation hardened versions available
- > No module-to-module interconnect in power sharing mode
- > Approximately 6 L x 3 W x 2 H in
- > Approximately 1 lb

Eclipse 500

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