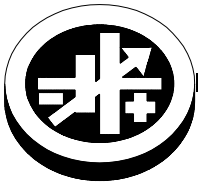


# QUICK START GUIDE



**KEPCO** An ISO 9001 Company.

**HSF-A**  
**1500W**



## SINGLE OUTPUT 3U HOT SWAP PLUG-IN POWER SUPPLIES

### I — INTRODUCTION

**SCOPE OF MANUAL.** This Quick Start Guide covers the installation and operation of the Kepco HSF-A 1500W Series of Hot Swap Plug-in Power Supplies. Full specifications are listed in the HSF-A 1500W Operator Manual that can be downloaded from the Kepco web site at:

[www.kepcopower.com/support/opmanls.htm#hsf](http://www.kepcopower.com/support/opmanls.htm#hsf)

These power supplies are designed to be installed in Kepco's RA 19-4C Rack Adapter. The RA 19-4C Operator Manual can be downloaded from the Kepco web site at:

[www.kepcopower.com/support/opmanls.htm#ra19-4c](http://www.kepcopower.com/support/opmanls.htm#ra19-4c)

**FACTORY DEFAULTS.** This guide covers only units as shipped from the factory with the two internal DIP switches set to default configuration (see Figure 1). For other configurations, refer to applicable Operator Manual.

**DESCRIPTION.** The Kepco HSF-A 1500W Series are hot swappable, RoHS-compliant, high frequency switching, plug-in power supplies. Models may be selected for outputs of 15V, 24V, 36V, 48V or 60V. They employ power factor correction and are designed to operate in a fault tolerant power system with a nominal a-c input of 100V a-c to 240V a-c (input voltage range 85 to 265 Va-c), 50-60 Hz (input frequency range 47-440Hz). A built-in current balancing circuit and OR-ing diodes allow configuration for hot-swap and parallel-redundant N+1 operation. All input/output connections are through a 24-pin connector that plugs in to the rack adapter. All external connections are made through the rack adapter's I/O connector.

### II — INSTALLATION

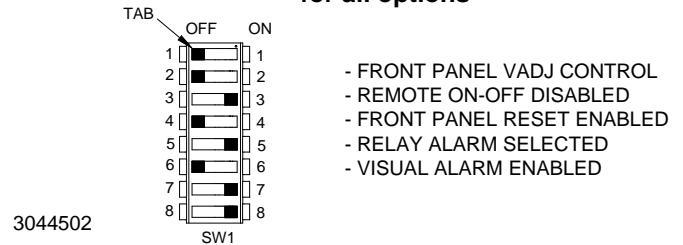
**PRIOR TO MOUNTING.** An internal DIP switch is pre-configured for the factory defaults (see Figure 1). To change the factory defaults, refer to the operator manual and configure the DIP switches prior to installation.

**KEYING.** The units are keyed by voltage at the factory. Refer to the RA 19-4C Operator Manual to make the rack adapter slot match the HSF-A unit.

**NOTE:** Both -A and non-A 1500W models can be mixed in the RA 19-4C Rack adapter and both support parallel operation with current sharing, However parallel operation requiring current balancing (forced current sharing) must use either all -A or all non-A models.

**OPTIONS.** M models include a digital meter which displays either voltage or current as determined by a front panel switch. The front panel V or A indicator lights to show whether voltage (V) or current (A) is displayed. Metered and non-metered models are completely interchangeable. Both M and C Models also include current monitoring (see below,

#### Factory default settings for all options



**FIGURE 1. DIP SWITCH FACTORY DEFAULTS**

C Models include a current sense resistor which allows external current monitoring within 3% (contact Kepco if greater accuracy is required).

**TABLE 1. HSF-A 1500W HOT SWAP MODELS**

MODELS				
15V	24V	36V	48V	60V
HSF 15-100A	HSF 24-50A	HSF 36-42A	HSF 48-32A	HSF 60-25A

NOTE: Options include suffix M, or C: M for meter, C for current monitor.

**MOUNTING THE POWER SUPPLY.** Release the two cap head screw retaining latches (see Figure 2) by loosening the cap-head screw approximately 1/2 turn CCW (use 5/32" hex key) and slide to the open (up) position. Insert the power supply in the slot, then retighten the cap-head screws CW until snug. **DO NOT OVERTIGHTEN!** To release, follow the same procedure, except lift the latch to the top of the slot. Be sure to move the latch completely up