

E3615A-03

Information Only Service Note

Supersedes:
NONE

E3615A DC Power Supply

Serial Numbers: ALL

The Problem – E3615A DC Power Supply will be replaced by E3644A/U8001A DC Power Supply

Parts Required:

P/N	Description	Qty.
E3644-66014	E3644A Opt OEM GSA	1
U8001-66001	U8001A Opt OE9	1

ADMINISTRATIVE INFORMATION

Calibration Required
 Calibration NOT Required

PRODUCT LINE: SP
AUTHOR: KHEW

ADDITIONAL INFORMATION:

Situation:

E3615A DC power supply has been discontinued on December 1, 2013, and is currently under 5-years product support period starting from the discontinuance date. In conjunction with this discontinuance, E3644A/U8001A DC power supply has been identified as a replacement for E3615A DC power supply.

The E3644A/U8001A DC power supply is available, providing higher DC output ratings and added IO connectivity (E3644A). Please refer to the table below for the comparison between E3644A/U8001A and E3615A DC power supply.

Features	E3644A	U8001A	E3615A
Number of Output	1	1	1
Number of Output Ranges	2	1	1
Input Terminals	Front and Rear	Front	Front and Rear
DC Output Ratings	8V, 8A 20V, 4A	30V, 3A	20V, 3A
Load and Line Regulation	<0.01% + 3mV	<0.01% + 2mV	<0.01% + 2mV
Ripple and Noise (20Hz to 20Mhz)			
Normal Mode Voltage	<0.5mVrms/5mVpp	<1mVrms/12mVpp	<200μVrms/1mVpp
Normal Mode Current	<4mArms	<3mArms	<2mArms
Transient Response Time	<50μSec	<50μSec	<50μSec
Meter Accuracy (25°C±5°C)	± (0.05% + 2 Counts)	<0.35% + 20 mV/mA	± (0.5% + 2 Counts)
Meter Resolution	10mV	10mV	10mV
	1mA	10mA	10mA
IO Connectivity	GPIB, RS-232	N/A	N/A
Dimension	212.6 mm W x 88.5 mm H x 348.3 mm D	212.3 mm W x 88.1 mm H x 394.3 mm D	212.3 mm W x 88.1 mm H x 373.4 mm D

For customer repair, we will offer a E3644A/U8001A as replacement for the defective E3615A. Please refer to the table below for the new replacement model and support part number.

Defective Model	New Replacement Model	Support Part Number
E3615A Opt OEM GSA	E3644A Opt OEM GSA	E3644-66014
E3615A Opt OE9	U8001A Opt OE9	U8001-66001

Solution/Action:

Please contact your nearest Keysight Technologies Service Center if your power supply needs repair. Keysight Technologies will offer a E3644A/U8001A DC power supply as replacement for the defective E3615A.

Revision History:

Date	Service Note Revision	Author	Reason for Change
6 Mar 2017	01	KHEW	As Published