

E3617A-04

Information Only Service Note

Supersedes:
NONE

E3617A DC Power Supply

Serial Numbers: ALL

The Problem – E3617A DC Power Supply will be replaced by E3645A DC Power Supply

Parts Required:

P/N	Description	Qty.
E3645-66014	E3645A Opt OEM GSA	1
E3645-66012	E3645A Opt OE3	1
E3645-66013	E3645A Opt OE9	1

ADMINISTRATIVE INFORMATION

Calibration Required
 Calibration NOT Required

PRODUCT LINE: SP
AUTHOR: KHEW

ADDITIONAL INFORMATION:

Situation:

E3617A 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, E3645A DC power supply has been identified as a replacement for E3617A DC power supply.

The E3645A DC power supply is available, providing higher DC output ratings, increased accuracy, improved resolution and added IO connectivity. Please refer to the table below for the comparison between E3645A and E3617A DC power supply.

Features	E3645A	E3617A
Number of Output	1	1
Number of Output Ranges	2	1
Input Terminals	Front and Rear	Front and Rear
DC Output Ratings	35V, 2.2A 60V, 1.3A	60V, 1A
Load and Line Regulation	<0.01% + 3mV	<0.01% + 2mV
Ripple and Noise (20Hz to 20Mhz)		
Normal Mode Voltage	<1mVrms/8mVpp	<200µVrms/1mVpp
Normal Mode Current	<4mArms	<500µArms
Transient Response Time	<50µSec	<50µSec
Meter Accuracy (25°C±5°C)	± (0.05% + 2 Counts)	± (0.5% + 2 Counts)
Meter Resolution	10mV	100mV
	1mA	1mA
IO Connectivity	GPIO, RS-232	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 373.4 mm D

For customer repair, we will offer a E3645A as replacement for the defective E3617A. Please refer to the table below for the support part number.

Defective Model	New Replacement Model	Support Part Number
E3617A Opt OEM GSA	E3645A Opt OEM GSA	E3645-66014
E3617A Opt OE3	E3645A Opt OE3	E3645-66012
E3617A Opt OE9	E3645A Opt OE9	E3645-66013

Solution/Action:

Please contact your nearest Keysight Technologies Service Center if your power supply needs repair. Keysight Technologies will offer a E3645A DC power supply as replacement for the defective E3617A.

Revision History:

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