

E3612A-05

Information Only Service Note

Supersedes:
NONE

E3612A DC Power Supply

Serial Numbers: ALL

The Problem – E3612A DC Power Supply will be replaced by E3641A DC Power Supply

Parts Required:

P/N	Description	Qty.
E3641-66014	E3641A Opt OEM GSA	1
E3641-66012	E3641A Opt OE3	1
E3641-66013	E3641A Opt OE9	1

ADMINISTRATIVE INFORMATION

Calibration Required
 Calibration NOT Required

PRODUCT LINE: SP
AUTHOR: KHEW

ADDITIONAL INFORMATION:

Situation:

E3612A 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, E3641A DC power supply has been identified as a replacement for E3612A DC power supply.

The E3641A 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 E3641A and E3612A DC power supply.

Features	E3641A	E3612A
Number of Output	1	1
Number of Output Ranges	2	2
Input Terminals	Front and Rear	Front
DC Output Ratings	35V, 0.8A 60V, 0.5A	60V, 0.5A 120V, 0.25A
Load and Line Regulation	<0.01% + 3mV	<0.01% + 2mV
Ripple and Noise (20Hz to 20Mhz)		
Normal Mode Voltage	<1mVrms/8mVpp	<200µVrms/2mVpp
Normal Mode Current	<4mArms	<200µArms
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 318.4 mm D

For customer repair, we will offer a E3641A as replacement for the defective E3612A. Please refer to the table below for the support part number.

Defective Model	New Replacement Model	Support Part Number
E3612A Opt OEM GSA	E3641A Opt OEM GSA	E3641-66014
E3612A Opt OE3	E3641A Opt OE3	E3641-66012
E3612A Opt OE9	E3641A Opt OE9	E3641-66013

Solution/Action:

Please contact your nearest Keysight Technologies Service Center if your power supply needs repair. Keysight Technologies will offer a E3641A DC power supply as replacement for the defective E3612A.

Revision History:

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