

GENESYS™ Series

Programmable DC Power Supplies

G1.7 - 5kW in 1U 60-100V, 17-85A

PARALLEL KIT INSTRUCTION MANUAL

The manual covers kit options:

G/P-6U-60-100V



1.1 General

Parallel kit is supplied separately from the power supply packing according to order.

The usage of parallel kit is according to customer's needs.

1.2 Advanced Parallel

For parallel connection, refer to advanced parallel chapter in the **GENESYS™** series User Manual.

1.3 Product Safety Instructions

Safety approvals are valid for **GENESYS™** single unit only. These are not valid for parallel kit assembly.

When using a paralleling kit with a protective bracket, it must be correctly assembled, as described further in this document.

1.4 Assembly Instructions

The supplied kit is used for standard and blank panel options. Follow the instructions carefully according to power supply model.

1.4.1 **G/P-6U-60-100V - Assembly Instructions for six 60V-100V units in Parallel**

1.4.1.1 Components List

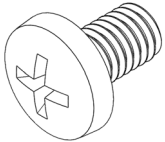
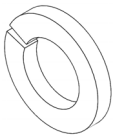
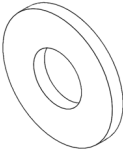

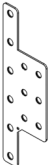
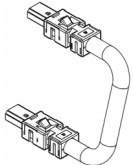
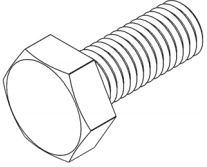
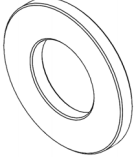
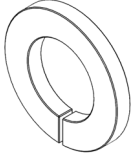
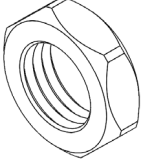
Image	Component	Quantity
	10-32 x 5/16 Pan Head Screw, Stainless Steel	24
	Helical Spring-Lock Washer, No. 10, Stainless Steel	24
	Plain Washer, No. 10, Stainless Steel	24
	Connection Plate 6U	2
	Output Bus Bar Plate	2
	Paralleling Cable	5

Image	Component	Quantity
	M8 x 25 Hexagon Bolt, Stainless Steel	12
	Plain Washer, M8, Stainless Steel	24
	Helical Spring-Lock Washer, M8, Stainless Steel	12
	Hexagon Nut, M8, Stainless Steel	12

1.4.1.2 Installation Steps

Attach connection plates, one on each side of the power supplies, using 24 pan head screws, 24 helical spring-lock washers and 24 plain washers as illustrated in Figure 1.

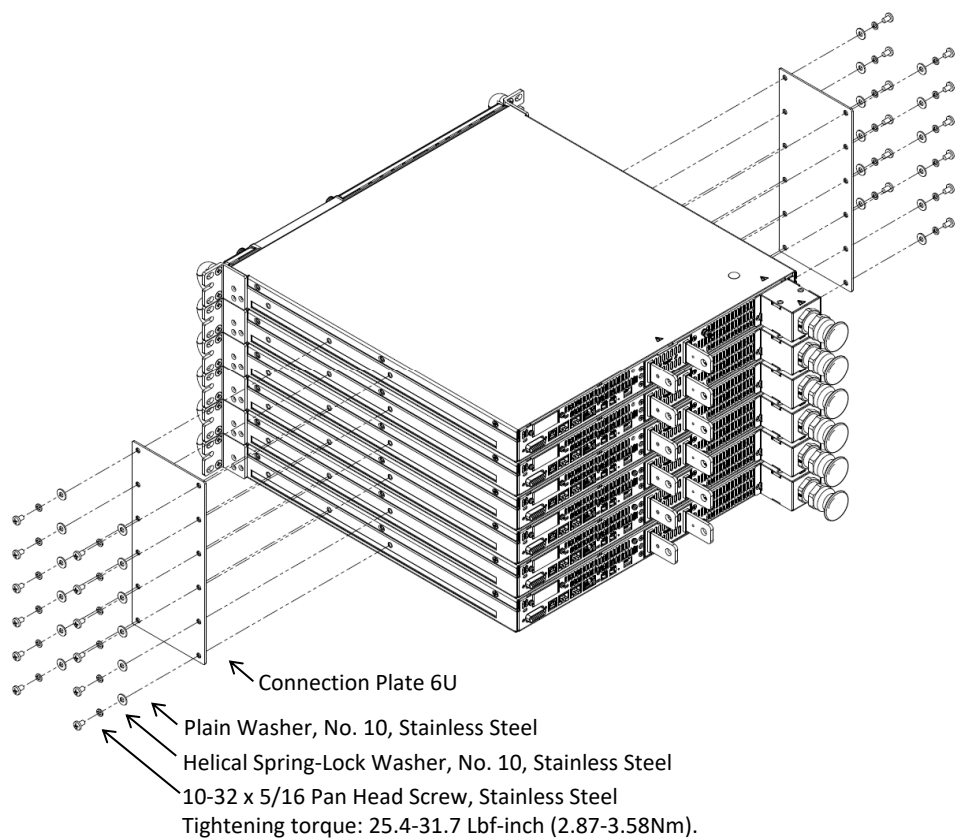


Figure 1: Six 60V-100V Units Connection Plates 6U Assembly

1. Attach output bus bars plates, one on each sextet terminals, using 12 hexagon bolts, 24 plain washers, 12 helical spring-lock washers and 12 hexagon nuts as illustrated in Figure 2.

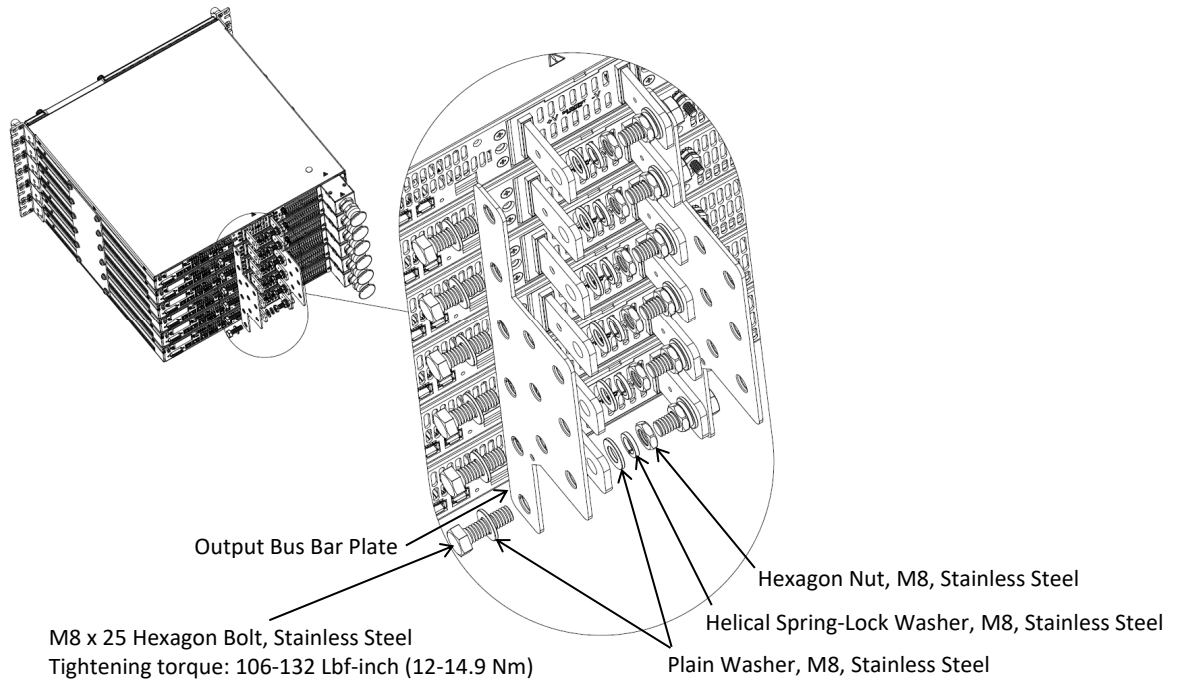


Figure 2: Six 60V-100V Units Output Bus Bars Plates Assembly

2. Connect five paralleling cables from top unit M connector to bottom unit S connector as illustrated in Figure 3.

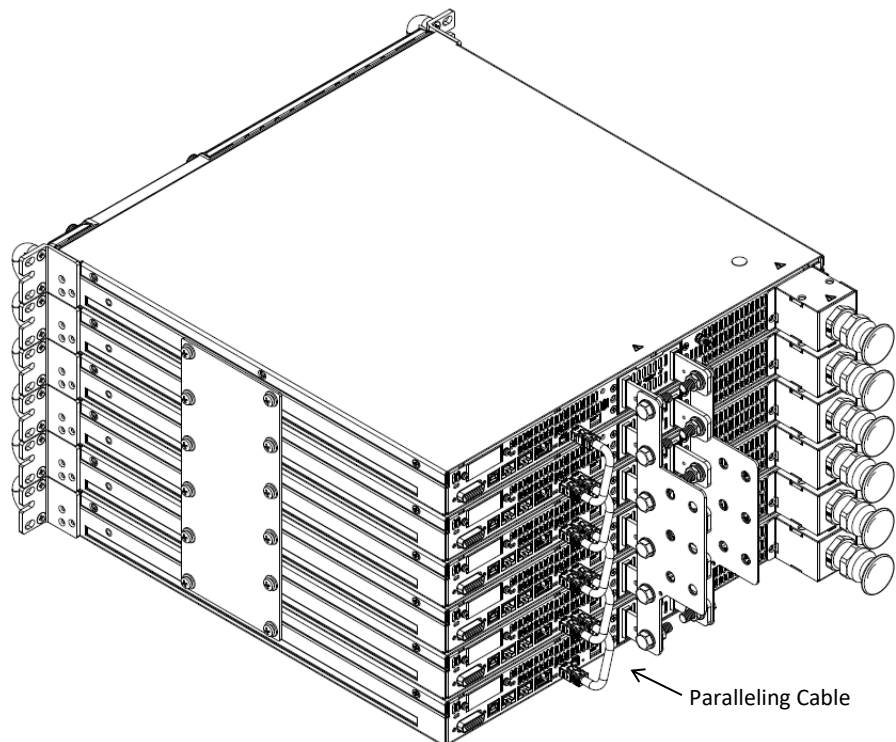


Figure 3: Six 60V-100V Units Paralleling Cable Connection