



Date: 12/14/2023

Page: 1 of 5

MacLean Power Systems reengineered and launched an updated product line of 46-69kV distribution line posts in Q3 of 2023. This product launch updated the Generation 1 line post, which was designed and launched by Sediver in 1982. This new product has been produced concurrently with the Gen 1 insulator product line since that time. It is now time to discontinue the legacy design and move our attention to the design and capability improvements on this new line-post.

The newly released line offers an improvement in performance through both design and materials. These line posts boast design features that were previously only in use on MPS transmission insulators, including the latest generation of end fitting sealing system, modular construction, and large diameter sheds.

To best serve our customer base with the highest quality products and the shortest lead times possible, the Gen 1 46-69kV post insulator line will be discontinued and replaced with the Gen 2. All Gen 2 products will offer a functional equivalent to the Gen 1, per the table in Appendix 2. Products suffixes included in obsolescence: NPVN20, NPKN20, NPKG20, NPVG20, V7XXX and any subsequent derivatives. Visual depictions of the Gen 1 and Gen 2 variants can be observed below in Figure 1.

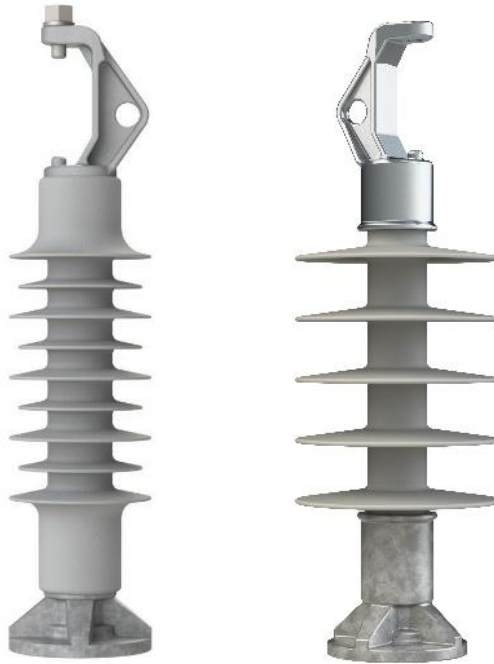


Figure 1: Gen 1 Insulator (left) Gen 2 Insulator (right)

MPS will continue to accept orders on the Gen 1 design until 2/29/24, after that point all new purchase orders will be transitioned to the outlined functional equivalent Gen 2 version. Performance characteristics and sales drawings of all iterations can be obtained on the MacLean Power Systems website for review. Please contact your MPS representative with any questions or for help with specifications for this product.

All product changes included in this PIB have been thoroughly tested and comply with ANSI C29.18 and CSA C411.6.

Please reach out to your local MacLean Power Systems sales agent for additional information or specific questions.

Thanks,











Zak

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Appendix 1 – Performance Characteristics

MPS Generation 2 Post Insulators												Hubbell	K-Line
	Line Voltage (kV)	Shed Count	Stud Base Catalog Number	Gain Base Catalog Number	Assembly Weight (lbs/ft)	Section Length (in/ft)	Dry Arc (in/ft)	Leakage (in/ft)	STL (lbs/ft)	SCL (lbs/ft)	MDCL (lbs/ft)	Catalog Number	Catalog Number
	46	7	H74070014MXSS007		16.7 (7.6)	22.2 (564)	16.7 (423)	45.0 (1142)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695TFP
	69	8	H74070016MXSS008		17.6 (8.0)	24.3 (617)	18.4 (467)	51.5 (1308)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695TF
	69	9	H74070018MXSS009		18.2 (8.3)	26.5 (673)	20.8 (529)	58.2 (1478)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695TFP1
	46	5		H79070010MXSS005	13.0 (5.9)	19.0 (485)	12.6 (321)	32.2 (817)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	6		H79070012MXSS006	14.0 (6.4)	21.0 (531)	14.7 (373)	38.5 (978)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	7		H79070014MXSS007	15.0 (6.8)	22.1 (558)	16.7 (423)	45.0 (1142)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	69	8		H79070016MXSS008	16.0 (7.3)	25.1 (634)	18.4 (467)	51.5 (1308)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	69	9		H79070018MXSS009	17.0 (7.7)	27.0 (673)	20.8 (529)	58.2 (1478)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	5		H79070010MXSS005	15.1 (6.8)	18.8 (478)	12.6 (321)	32.2 (817)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S046-0K09	
	46	6		H79070012MXSS006	16.0 (7.3)	20.9 (531)	14.7 (373)	38.5 (978)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695KP
	46	7		H79070014MXSS007	16.7 (7.6)	22.9 (582)	16.7 (423)	45.0 (1142)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695KP
	69	8		H79070016MXSS008	17.6 (8.0)	25.0 (634)	18.4 (467)	51.5 (1308)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695K
	69	9		H79070018MXSS009	18.2 (8.3)	27.0 (673)	20.8 (529)	58.2 (1478)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S069-0K09	KL695KP1
	46	5		H79070010MXSS005	12.5 (465)	19.8 (465)	12.6 (321)	32.2 (817)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	6		H79070012MXSS006	13.8 (6.3)	21.6 (553)	14.7 (373)	38.5 (978)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	7		H79070014MXSS007	15.2 (6.9)	23.7 (594)	16.7 (423)	45.0 (1142)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	69	8		H79070016MXSS008	16.6 (7.5)	25.9 (671)	18.4 (467)	51.5 (1308)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	69	9		H79070018MXSS009	18.0 (8.2)	27.7 (673)	20.8 (529)	58.2 (1478)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	5		H79070010MXSS005	15.1 (6.8)	18.8 (478)	12.6 (321)	32.2 (817)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S046-0I09	
	46	6		H79070012MXSS006	16.0 (7.3)	20.9 (531)	14.7 (373)	38.5 (978)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695HP
	46	7		H79070014MXSS007	16.7 (7.6)	22.9 (582)	16.7 (423)	45.0 (1142)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695HP
	69	8		H79070016MXSS008	17.6 (8.0)	25.0 (634)	18.4 (467)	51.5 (1308)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695H
	69	9		H79070018MXSS009	18.2 (8.3)	27.0 (673)	20.8 (529)	58.2 (1478)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S069-0I09	KL695HP1
	46	5		H79070010MXSS005	13.0 (5.9)	19.6 (485)	12.6 (321)	32.2 (817)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	6		H79070012MXSS006	14.0 (6.4)	21.6 (531)	14.7 (373)	38.5 (978)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S046-0I00	
	46	7		H79070014MXSS007	15.0 (6.8)	23.7 (594)	16.7 (423)	45.0 (1142)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	69	8		H79070016MXSS008	16.5 (7.5)	25.7 (671)	18.4 (467)	51.5 (1308)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	69	9		H79070018MXSS009	18.0 (8.2)	27.5 (673)	20.8 (529)	58.2 (1478)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S069-0I00	
	46	5		H79070010MXSS005	15.1 (6.8)	18.9 (479)	12.6 (321)	32.2 (817)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	6		H79070012MXSS006	16.0 (7.3)	20.9 (531)	14.7 (373)	38.5 (978)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S046-0209	
	46	7		H79070014MXSS007	16.7 (7.6)	22.9 (582)	16.7 (423)	45.0 (1142)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695VP
	69	8		H79070016MXSS008	17.6 (8.0)	25.1 (634)	18.4 (467)	51.5 (1308)	5000 (22.2)	2800 (12.5)	1350 (6.0)		KL695V
	69	9		H79070018MXSS009	18.2 (8.3)	27.0 (673)	20.8 (529)	58.2 (1478)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S069-0209	KL695VP1
	46	5		H79070010MXSS005	15.0 (6.8)	17.9 (454)	12.6 (321)	32.2 (817)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	6		H79070012MXSS006	16.0 (7.3)	19.9 (506)	14.7 (373)	38.5 (978)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S046-0009	
	46	7		H79070014MXSS007	16.7 (7.6)	22.0 (558)	16.7 (423)	45.0 (1142)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	69	8		H79070016MXSS008	17.6 (8.0)	24.0 (610)	18.4 (467)	51.5 (1308)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	69	9		H79070018MXSS009	18.2 (8.3)	26.1 (662)	20.8 (529)	58.2 (1478)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S069-0009	
	46	5		H79070010MXSS005	12.8 (5.8)	18.9 (480)	12.6 (321)	32.2 (817)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	6		H79070012MXSS006	14.0 (6.3)	20.9 (532)	14.7 (373)	38.5 (978)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S046-0000	
	46	7		H79070014MXSS007	15.2 (6.9)	23.0 (584)	16.7 (423)	45.0 (1142)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	69	8		H79070016MXSS008	16.4 (7.4)	25.0 (636)	18.4 (467)	51.5 (1308)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	69	9		H79070018MXSS009	17.6 (8.0)	26.8 (681)	20.8 (529)	58.2 (1478)	5000 (22.2)	2800 (12.5)	1350 (6.0)	80S069-0000	
	46	5		H79070010MXSS005	12.8 (5.8)	18.9 (480)	12.6 (321)	32.2 (817)	5000 (22.2)	2800 (12.5)	1350 (6.0)		
	46	6		H79070012MXSS006	14.0 (6.3)	20.9 (532)	14.7 (373)	38.5 (978)	5000 (22.2)	2800 (12.5)	1350 (6.0)		

Appendix 2 - Cross Reference Table

<i>MPS Old Catalog #</i>	<i>Standard Cross</i>	<i>Universal Cross</i>
NPKG10XB003S0	H09020004MXSS002 or H09020006MXSS003	H090U0004MXSS002 or H090U0006MXSS003
NPKG10XB005S0	H09020008MXSS004	H090U0008MXSS004
NPKG10XB005S0128	H09020008MXSS004	H090U0008MXSS004
NPKG10XB006S0	H09020010MXSS005	H090U0010MXSS005
NPKG10XB006S0128	H09020010MXSS005	H090U0010MXSS005
NPKG10XB006S0196	H09020010MXSS005	H090U0010MXSS005
NPKN10XB003S0	H04020004MXSS002 or H04020006MXSS003	H040U0004MXSS002 or H040U0006MXSS003
NPKN10XB005S0	H04020008MXSS004	H040U0008MXSS004
NPKN10XB006S0	H04020010MXSS005	H040U0010MXSS005
NPKS10XB005S0	H04020008MXSS004	H040U0008MXSS004
NPVG10XB003S0103	H09060004MXSS002 or H09060006MXSS003	H090U0004MXSS002 or H090U0006MXSS003
NPVG10XB003S0259	H09060004MXSS002 or H09060006MXSS003	H090U0004MXSS002 or H090U0006MXSS003
NPVG10XB005S0	H09060008MXSS004	H090U0008MXSS004
NPVG10XB006S0	H09060010MXSS005	H090U0010MXSS005
NPVN10XB003S0	H04060004MXSS002 or H04060006MXSS003	H040U0004MXSS002 or H040U0006MXSS003
NPVN10XB003S0261	H04060004MXSS002 or H04060006MXSS003	H040U0004MXSS002 or H040U0006MXSS003
NPVN10XB005S0	H04060008MXSS004	H040U0008MXSS004
NPVN10XB006S0	H04060010MXSS005	H040U0010MXSS005
NPVN10XB006S0-U	H04060010MXSS005	H040U0010MXSS005
NPVS10XB005S0	H04060008MXSS004	H040U0008MXSS004
NPVS10XB006S0108	H04060010MXSS005	H040U0010MXSS005
H74020014MXXG009	H04020010MXSS005	H040U0010MXSS005
H74020016MXXG011	H74020012MXSS006	H740U0012MXSS006
H74020018MXXG013	H74020014MXSS007	H740U0014MXSS007
H74020022MXXG017	H74020018MXSS009	H740U0018MXSS009

NPKG20XGM21S0	No Cross	No Cross
NPKG20XGM25S0	No Cross	No Cross
NPKG20XGO09S0	H09020010MXSS005	H090U0010MXSS005
NPKG20XGO13S0	H79020014MXSS007	H790U0014MXSS007
NPKG20XGO17S0	H79020018MXSS009	H790U0018MXSS009
NPKG20XGO17S0128	H79020018MXSS009	H790U0018MXSS009
NPKG20XGO17S0197	H79020018MXSS009	H790U0018MXSS009
NPKN20XGO09S0133	H04020010MXSS005	H040U0010MXSS005
NPKN20XGO17S0	H74020018MXSS009	H740U0018MXSS009
NPKS20XGO17S0	H74020018MXSS009	H740U0018MXSS009
NPNN20XG11S0181	H79070012MXSS006	H790U0012MXSS006
NPNN20XG13S0-181	H79070014MXSS007	H790U0014MXSS007
NPNN20XG13S0182	H74070014MXSS007	H740U0014MXSS007
NPNN20XG19S0181	H79070018MXSS009	H790U0018MXSS009
NPTG20XGO17S0	H79010018MXSS009	H790U0018MXSS009
NPVG20XGO17S0155	H79060018MXSS009	H790U0018MXSS009
NPVG20XGO17S0199	H74060018MXSS009	H740U0018MXSS009
NPVN20XGM25S0	No Cross	No Cross
NPVN20XGO13S0	H74060014MXSS007	H740U0014MXSS007
NPVN20XGO17S0	H74060018MXSS009	H740U0018MXSS009
NPVN20XGO17S0103	H74060018MXSS009	H740U0018MXSS009
NPVS20XGO17S0	H74060018MXSS009	H740U0018MXSS009
V74060014MXXG009	H04060010MXSS005	H040U0010MXSS005
V74060016MXXG011	H74060012MXSS006	H740U0012MXSS006
V74060018MXXG013	H74060014MXSS007	H740U0014MXSS007
V74060022MXXG017	H74060018MXSS009	H740U0018MXSS009
V74060022MXXGC17	H74060018MXSS009	H740U0018MXSS009
V74070008MXXG007	H04070006MXSS003	H040U0006MXSS003
V74070010MXXG009	H04070008MXSS004	H040U0008MXSS004
V74070012MXXG011	H04070010MXSS005	H040U0010MXSS005
V74070014MXXG013	H74070012MXSS006	H740U0012MXSS006
V74070016MXXG015	H74070014MXSS007	H740U0014MXSS007
V74070018MXXG017	H74070016MXSS008	H740U0016MXSS008
V74070020MXXG019	H74070018MXSS009	H740U0018MXSS009
V75200014MXXG009	H74010012MXSS006	H740U0012MXSS006
V75770012MXXG011	H04070010MXSS005	H040U0010MXSS005