

REFERENCE LIST

More power for railway lines

Static frequency conversion for traction power supply



ABB's static frequency conversion solutions ensure grid compatibility of traction power supplies, while optimizing performance of railway corridors.

Much of the electric energy used by railways is drawn from national grids. However, for historical reasons, the frequencies used for railway electrification can differ from these grids. The state-of-the-art solution is static frequency converters (SFCs) using proven power electronics. Its standardization delivers substantial advantages in terms of cost and quality. With many SFCs sold worldwide this converter has an unbeatable track record of high reliability and availability.

Selected rail project references

Year of delivery	Customer	Country	Plant	Type	Units	MW	MVA
2016	Queensland Rail	Australia	Wulkuraka	PCS 6000	1	16	20
2015	Jernbaneverket	Norway	Mobile Unit 105	PCS 6000	1	10	15
2014	Jernbaneverket	Norway	Mobile Units 103 & 104	PCS 6000	2	10	15
2013	Jernbaneverket	Norway	Mobile Units 101 & 102	PCS 6000	2	10	15
2013	swb	Germany	Bremen III	PCS 6000	1	40	50
2013	Deutsche Bahn AG	Germany	Neumünster	PCS 6000	2	35	44
2013	Deutsche Bahn AG	Germany	Hof	PCS 6000	2	15	18.8
2012	swb	Germany	Bremen II	PCS 6000	1	80	100
2011	Deutsche Bahn AG	Germany	Neckarwestheim	PCS 6000	2	70	87.5
2011	Trafikverket	Sweden	Kalix	PCS 6000	2	15	18
2010	Jernbaneverket	Norway	Stavanger	PCS 6000	2	12	13
2010	zb Zentralbahn	Switzerland	Obermatt Engelberg	PCS 6000	1	3	20
2010	E.ON	Germany	Datteln	PCS 6000	4	120	135
2009	ÖBB	Austria	Timelkam	PCS 6000	2	30	37.5
2007	Deutsche Bahn AG	Germany	Lübeck	PCS 6000	2	15	18.8
2007	Deutsche Bahn AG	Germany	Doberlug-Kirchheim	PCS 6000	2	15	18.8
2005	SBB	Switzerland	Wimmis	PCS 6000	4	20	21
2005	Deutsche Bahn AG	Germany	Limburg a. Lahn	PCS 6000	2	15	18.8
2005	Rhätische Bahn	Switzerland	Landquart	PCS 6000	1	18	20
2004	Rhätische Bahn	Switzerland	Bever	PCS 6000	1	18	20
2002	Deutsche Bahn AG	Germany	Limburg a. Lahn	PCS 6000	6	15	18.8
2001	Deutsche Bahn AG	Germany	Wolkramshausen	PCS 6000	2	15	18.8
2000	Deutsche Bahn AG	Germany	Düsseldorf	PCS 6000	1	15	18.8

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