

SynQor® Evaluation Board Selection Guide

SynQor offers several evaluation boards for purchase. Please see the table below for selections.

Product Family	Converter Description	Orderable Part Number	Evaluation Board Description
AeroQor	Power Factor Correction Module for Airborne Applications APFIC-U-XX[R,D]- HM, APFIC-U-XX[R,D]- HT APFIC-U-XX[R,D]- FT, APFIC-U-XX[R,D]H- FG APFIC-115-3PH-12[R,D]-FT APFIC-115-3PH-24[R,D]-FT APFIC-115-3PH-28[R,D]-FT APFIC-115-3PH-48[R,D]-FT APFIC-115-3PH-54[R,D]-FT	EVAL-1000042 EVAL-1000047 EVAL-KIT-1000038-01[D] EVAL-KIT-1000034-01[D] EVAL-KIT-1000034-02[D] EVAL-KIT-1000037-01[D] EVAL-KIT-1000037-02[D]	Half Brick Isolated Power Factor Correction Module with an AC Line Filter Full Brick Isolated Power Factor Correction Module with an AC Line Filter 12 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit 24 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit 28 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit 48 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit 54 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
BusQor	Fully-Regulated, Semi-Regulated and Non-Regulated Bus Converters BusQor (BQ, SQ, PQ60) (lower voltage, lower power) BusQor (BQ, SQ, PQ60) (lower voltage, higher power) BusQor (BQ, SQ) (higher voltage, higher power)	EVAL-1000001 EVAL-1000008 EVAL-1000005	Half, Quarter and Eighth Brick modules less than 300 W and rated for input voltage 100 V or less All Half, Quarter, and Eighth Brick modules rated for input voltage 100 V or less All Full and Half Brick modules rated for high voltage (up to 475 V) except BQ4HxxxF
CFQor	DC-DC Converters for Medical Applications CFQor	EVAL-1000001	Quarter Brick modules less than 300 W and rated for input voltage 100 V or less
High Voltage NiQor	Non-isolated Converters NQ60, NQ90, MCOTS-N-28V/VE NQ20, NQ40, NQ60 (S-option) NQ20, NQ40, NQ60 (C-option), MCOTS-N-28V/VE	EVAL-1000014 EVAL-1000018 EVAL-1000019	All Half Brick NiQor modules and MCOTS-N-28V/VE Quarter and Eighth Brick standard feature NiQor modules Quarter and Eighth Brick adjustable current limit & monitor NiQor modules and MCOTS-N-28V/VE
InQor	DC-DC Converters for Industrial Applications InQor (lower voltage, lower power) InQor (lower voltage, higher power) IQ4H	EVAL-1000001 EVAL-1000008 EVAL-1000005	Half, Quarter, and Sixteenth Brick modules less than 300 W and rated for input voltage 100 V or less All Half, Quarter, and Sixteenth Brick modules rated for input voltage 100 V or less All Full and Half Brick modules rated for high voltage (up to 475 V)
MCOTS	DC-DC Converters for Military Applications MCOTS (Vin Ranges: 28 V, 48 V) MCOTS (Vin Ranges: 28 V, 48 V) MCOTS (Vin Range: 270 V, 150 V) MCOTS (Vin Range: 28 V) MCOTS-C-270-xx-[H,F]E Power Factor Correction Modules for Military Applications MIPC-270-115-270-FP MPFC-115-3PH-270-FP MPFC-115-3PH-270P-FP Parallel Evaluation MPFIC-U-xx-HT MPFIC-U-xx-FG-x-x-[H,DH], MPFIC-U-xx-FT-x-x-[D] MPFIC-115-3PH-12[R,D]-FT MPFIC-115-3PH-24[R,D]-FT MPFIC-115-3PH-28[R,D]-FT MPFIC-115-3PH-48[R,D]-FT MPFIC-115-3PH-54[R,D]-FT MPFC-440-3PH-400-LE	EVAL-1000001 EVAL-1000008 EVAL-1000005 EVAL-1000020 EVAL-1000041 EVAL-KIT-1000048-01 EVAL-KIT-1000025-01 EVAL-KIT-1000031-01 EVAL-1000030 EVAL-1000046 EVAL-KIT-1000035-01[D] EVAL-KIT-1000033-02[D] EVAL-KIT-1000033-01[D] EVAL-KIT-1000036-01[D] EVAL-KIT-1000036-02[D] EVAL-KIT-1000040-01	Half, Quarter, and Sixteenth Brick modules less than 300 W and rated for input voltage 100 V or less All Half, Quarter, and Sixteenth Brick modules rated for input voltage 100 V or less All Full and Half Brick modules rated for high voltage (up to 475 V) except -HE, FE and -B-270-xx-FT All Demi-Brick single and dual converters and Demi-Brick filter Full and Half Brick modules with adjustable output voltage and current limit Military Input Pre-Conditioner Module with a 3-Phase AC Line Filter Evaluation Kit 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit 2 Paralleled 3-Phase PFC Converters with 3-Phase AC Line Filters Evaluation Kit Isolated Power Factor Correction Module with an AC Line Filter Isolated Power Factor Correction Module with an AC Line Filter 12 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit 24 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit 28 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit 48 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit 54 V Isolated 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit 3-Phase PFC Converter with a 3-Phase AC Line Filter Evaluation Kit
PowerQor	DC-DC Converters for Telecom PowerQor (lower voltage, lower power) PowerQor (lower voltage, higher power)	EVAL-1000001 EVAL-1000008	Half, Quarter, Eighth, and Sixteenth Brick modules less than 300 W and rated for input voltage 100 V or less All Half, Quarter, and Eighth Brick modules rated for input voltage 100 V or less
RailQor	DC-DC Converters for Railway and Transportation Applications RailQor less than 100 V (no transient protection circuit) RailQor less than 100 V (no transient protection circuit) RailQor up to 475 V (no transient protection circuit) RQ1B, RQ68 (with transient protection circuit) RQ72 (with transient protection circuit) RQ18 (with transient protection circuit)	EVAL-1000001 EVAL-1000008 EVAL-1000005 EVAL-1000021 EVAL-1000022 EVAL-1000023	Half and Quarter Brick modules less than 300 W and rated for input voltage 100 V or less All Half and Quarter Brick modules rated for input voltage 100 V or less All Half Brick modules rated for high voltage (up to 475 V) All RQ1B and RQ68 Half and Quarter Brick modules All RQ72 Half and Quarter Brick modules All RQ18 Half and Quarter Brick modules

Other evaluation boards may be in development. Contact your Regional Sales Manager or local Sales Representative for more information.

To view the evaluation board application note click on the link in the Orderable Part Number column.

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