

12kW3P

AC/DC Converter



12kW3P is a 3-phase AC to DC Asymmetric N-1 Platform with Energy Saving Mode (ESM) control solution to ensure high power efficiency across wide load range for DC building and related applications.

Quiet Design

Our fanless design provided quiet usage environment with highly reliable performance.

Superior Performance

Over 97% system efficiency from 10% to 100% loads.

Remote Control

Support remote and on-site control. Monitor the system anytime and everywhere.

Product Specification

Input	
Nominal Voltage	220V AC
Voltage Range	198 – 240V AC
Frequency	50 Hz
Nominal Current (per phase)	20 A
Power Factor @ 50% load or higher *	> 0.99
Protection	Fuse, Varistor, OCP, OVP, OPP, OTP
Output	
Voltage	375V DC
Voltage Range (adjustable)	360 – 400V DC
Power Continuous	12kW
Nominal Current (per phase)	10.7A
Static Voltage Regulation	5%
Hold-up Time	20ms @ 100% load
Voltage Ripple	12Vp-p
Protection	OCP, OVP, UVP
General	
Efficiency **	97.3% @ 10% load; 98.5% @ 50% load; 98.3% @100% load
Degree of Protection	IP21
Cooling	Natural cooling
Operating Environment	0 - 50°C / 0 - 95% RH noncondensing Output power linear derated from 12kW @ 40°C to 9kW @50°C to 6kW @ 60°C
Dimension (cm)	54(w) x 41(h) x 12(l)
EMC	EN55032 Class A
Communication	Wi-Fi
Installation	Wall mount
Installation Position	Vertical

*As shown in figure 1 of Efficiency section

**As shown in figure 2 of Efficiency section

Efficiency

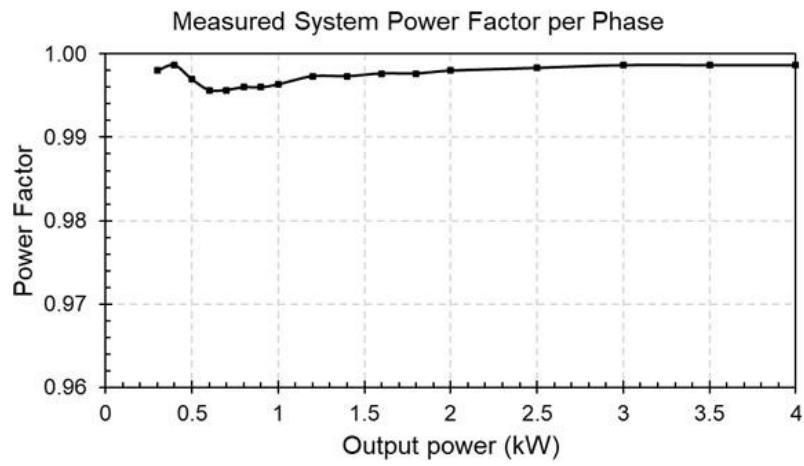


Figure 1

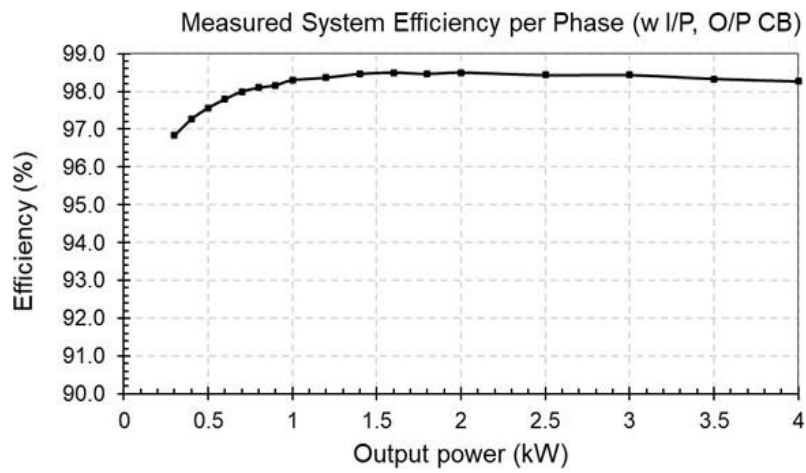


Figure 2