

DS10kW1P

AC/DC Converter



DS10kW1P is a 1-phase AC to DC Platform with high power efficiency across wide load range for DC building and related applications.

Easy Setup & Installation

Battery power supply the loads seamlessly when power outage.

High Performance

375V and 48V outputs in one unit.

Remote/On-site Monitoring

Electrical data and status of the system are real-time monitored and logged.

Product Specification

Input		
Nominal Voltage	220V AC	
Voltage Range	198 – 240V AC	
Frequency	50Hz	
Nominal Current	46A	
Power Factor @ 50% load or higher *	>0.99	
Protection	Fuse, Varistor, OCP, OVP, OPP, OTP	
Output	375V Output	48V Output
Voltage	375V DC	48V DC
Voltage Range (adjustable)	360 – 400V DC	48V DC
Power Continuous	10kW	5kW
Nominal Current	26.7A	104A
Voltage Stabilized Accuracy	<1%	<0.5%
Current Stabilized Accuracy		<0.5%
Static Voltage Regulation	5%	2%
Voltage Ripple	10Vp-p	1Vp-p
Protection	OCP, OVP, UVP	
Battery Terminal		
Nominal Voltage	48V	
Battery Type	Lead acid, lithium-ion	
Battery Capacity	50Ah	
Discharge Power Continuous	5kW	
General		
Efficiency (375V Output) *	98.1% @ 10% load. 98.5% @ 50% load. 98.6% @100% load.	
Degree of Protection	IP21	
Auditable Noise Level	55dBA	
Degree of Protection	IP20	
Cooling Method	Fan Cooling	
Operating Environment	0 – 50°C / 0 – 95% RH non-condensing. Output power linear derated from 12kW @ 40°C to 9kW @ 50°C to 6kW @ 60°C	
Dimension (cm)	46(w) x 59(h) x 12(d)	
EMC	EN55032 Class A	
Communication	Wi-Fi	
Installation	Wall mount	
Installation Position	Vertical	

* As shown in figure 1

Power Performance

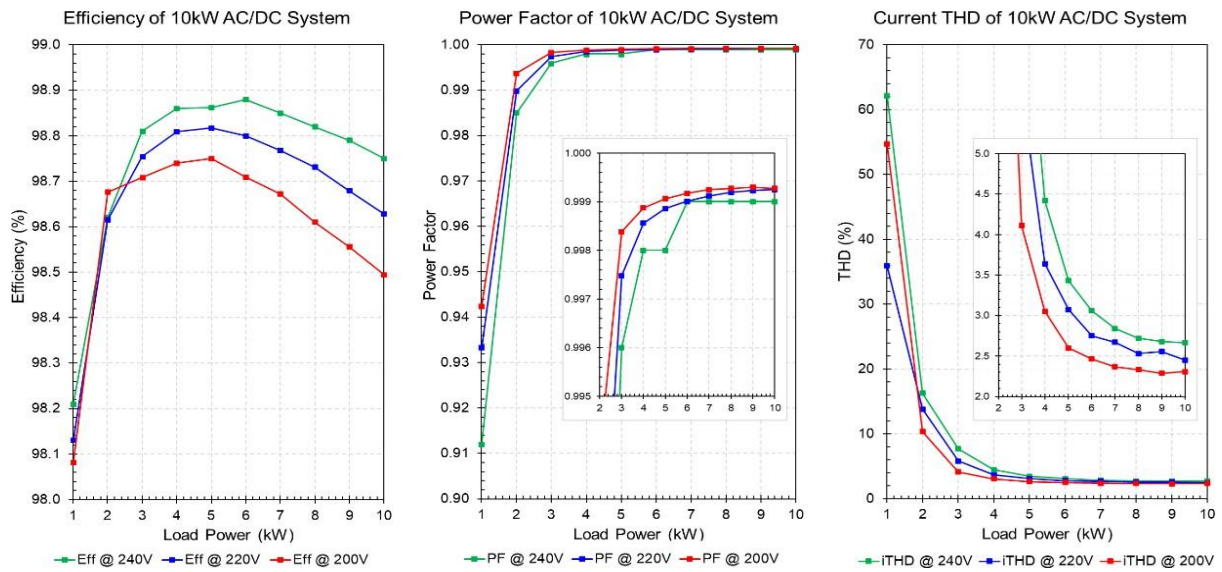


Figure 1