



Modular Inverter

Modular Inverter systems

The digitally controlled inverter module is designed and optimized for demanding power needs across different applications and industries. Up to 9 modules can be implemented in parallel to support up to 27kVA output.

The modularity design, coupled with its cost effectiveness package, power density and reliability, ensures the overall availability of the system solution.

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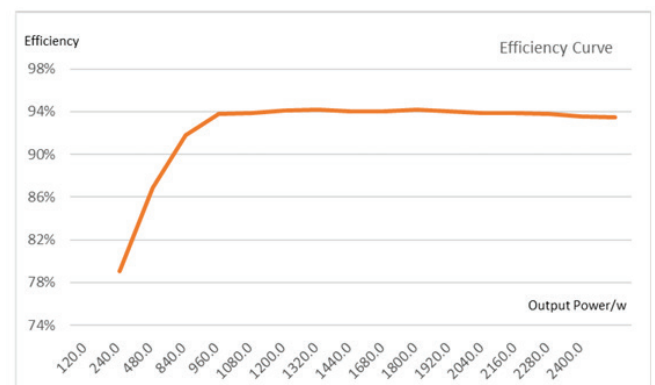
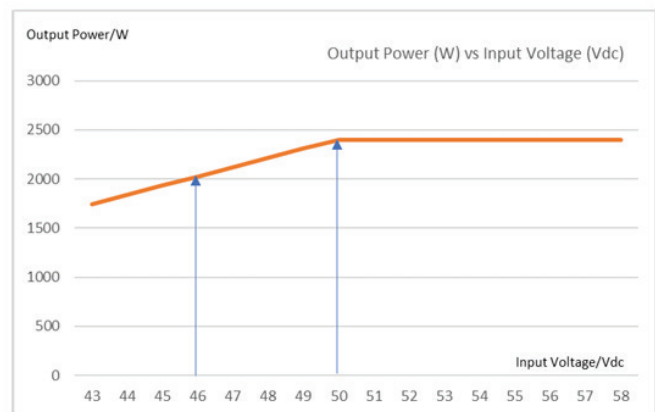
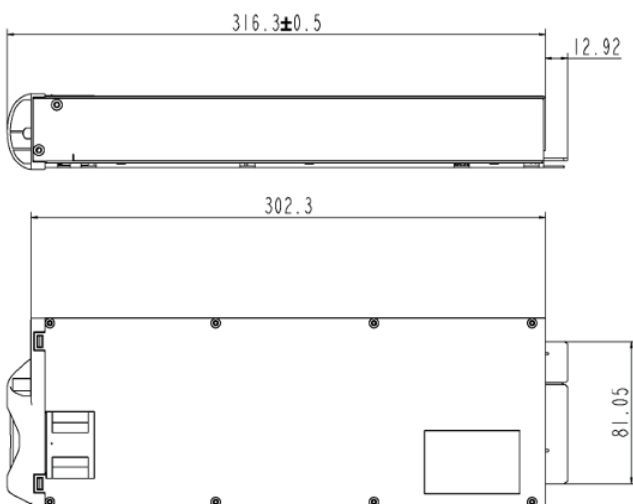
KEY FEATURES

- **Fully Digital Controlled**
Reduces component count and improves reliability
- **Modular, Scalable and Hot Swappable**
Flexible installations
- **High Power Density**
Reduces footprint
- **Highly Efficient @ > 94%**
Reduces losses and lowers operating costs
- **Front-to-back Airflow**
Unobstructed scalability of shelves
- **Excellent EMC Performance**
Lower interference and excellent susceptibility
- **Wide Temperature Range**
Applications in harsh climatic conditions
- **Compliant with Global Standards**
Delivers quality, performance and reliability in power solutions



Applications

- Telecom AC Load Requirement
- Backup Applications



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TECHNICAL SPECIFICATIONS

PART NUMBER	371040.200
Nominal Voltage	3000VA / 2400W
DC INPUT	
Input Voltage	53.5Vdc
Input Voltage Range	43Vdc -58Vdc (See the input voltage vs output power waveform)
Nominal Input Current	48A (Max @ 75A)
AC OUTPUT	
Output Voltage	220Vac / 230Vac (default = 230Vac)
Nominal Output Power (VA/W)	2500VA / 2000W @ Input < 50Vdc
Max Output Power (VA/W)	3000VA / 2400W @ Input ≥ 50Vdc
Power factor	0.8
Frequency	50/60Hz (+/-0.5Hz)
Efficiency	> 94%
Total Harmonic Distortion (Resistive load)	<3%
Total Number(s) Connected in Parallel	9
ENVIRONMENTAL	
Operating Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Humidity	3000VA / 2400W @ Input ≥ 50Vdc
Cooling	Fan-cooled
Altitude	< 2000m
Noise	≤55dBA
ENVIRONMENTAL	
Protections	Input Overvoltage Protection, Input Undervoltage Protection, Output Short Circuit Protection, Over Temperature Protection, Fan Control
GENERAL	
Dimensions (WxDxH)	107.4 x 316.3 x 43.0 mm
Weight (Kg)	≤55dBA
DESIGN STANDARDS	
Safety	EN/IEC 62368-1
EMC	EN55032, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4