

ARTESYN PS1650

High Availability Power Supply Unit



Advanced Energy's Artesyn PS1650 is a high availability power supply unit (PSU) developed for hyperscale cloud deployments.

The PS1650 was designed to support an open source hardware development effort through Open Compute Project (OCP) collaboration under the Microsoft Project Olympus initiative. The PS1650 supports a new standard building block model for OCP solution providers to develop hardware solutions from a common design.

DATA SHEET

Total Power:

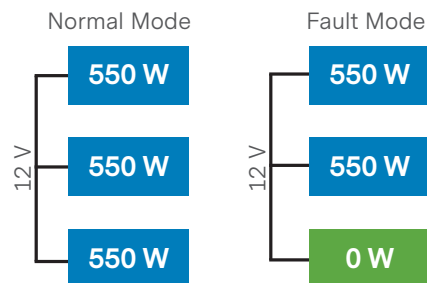
1650 W

Output:

12.25 Vdc

SPECIAL FEATURES

- Fault mode resiliency
- Dynamic maximum input power limit (DMIPL)
- Inrush current control
- N+1 internal and external redundancy, up to four (4) PSUs in a system
- PMBus® compliant
- Hot pluggable



COMPLIANCE

- EMC Conducted/Radiated Class A
- EMC EN/IEC 61000
- RoHS

SAFETY

- UL/CSA 60950 (UL recognized)
- IEC 60950
- CE Mark

ELECTRICAL SPECIFICATIONS

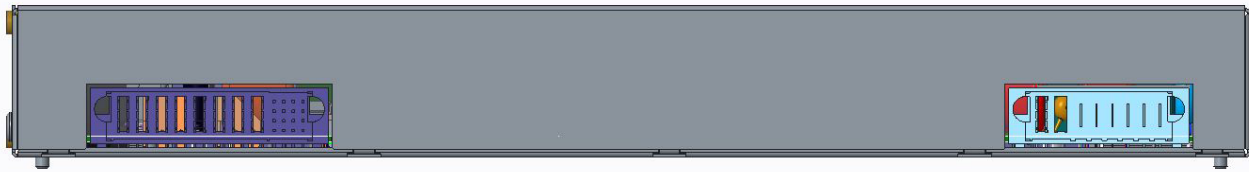
PS1650	
Output power	1650 W total
Redundancy	1100 W N+1 (3 x 550 W PSU modules in parallel) internal and external redundancy, supports up to four (4) PSUs in a system
Output voltage	12.25 Vdc
Efficiency	91%
Input voltage	Three-phase 415/400 Vac Wye or 208 Vac Delta or Single-phase 200-240 Vac
PSU operating temperature	10 °C to 45 °C

MECHANICAL DRAWING

Front view



Rear view



ORDERING INFORMATION

Model Number	Main Output	Availability
PS1650	12.25 V	October 2017



For international contact information,
visit advancedenergy.com.

powersales@aei.com (Sales Support)
productsupport.ep@aei.com (Technical Support)
+1 888 412 7832

ABOUT ADVANCED ENERGY

Advanced Energy (AE) has devoted more than three decades to perfecting power for its global customers. AE designs and manufactures highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

Our products enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing, and medical. With deep applications know-how and responsive service and support across the globe, we build collaborative partnerships to meet rapid technological developments, propel growth for our customers, and innovate the future of power.

PRECISION | POWER | PERFORMANCE

Specifications are subject to change without notice. Not responsible for errors or omissions. ©2020 Advanced Energy Industries, Inc. All rights reserved. Advanced Energy®, AE® and Artesyn™ are U.S. trademarks of Advanced Energy Industries, Inc.