

# ARTESYN OCP OR2 COMPLIANT PSU

Open Compute Project (OCP), Open Rack  
v.2 ORV2



Advanced Energy introduces 6,600W (N+1) V2 power shelf which houses three 3,300W power supplies shown on the left. Each PSU has a 12V main output and 3,300W rated power and 270W at 52.5V for battery charging.

## DATA SHEET

### Total Power:

3300 W

### SPECIAL FEATURES

- High efficiency, Titanium 80 Plus Compliant PSU
- Hot pluggable PSU's
- Open Compute Project (OCP) compliant PSU's
- Digital control for better accuracy
- Status LEDs for fault reporting

### COMPLIANCE

- IEC EN 61000-4-2 Cat A for surges
- IEC61000-3-2 Class A for harmonics
- FCC Part B for EMC

### SAFETY

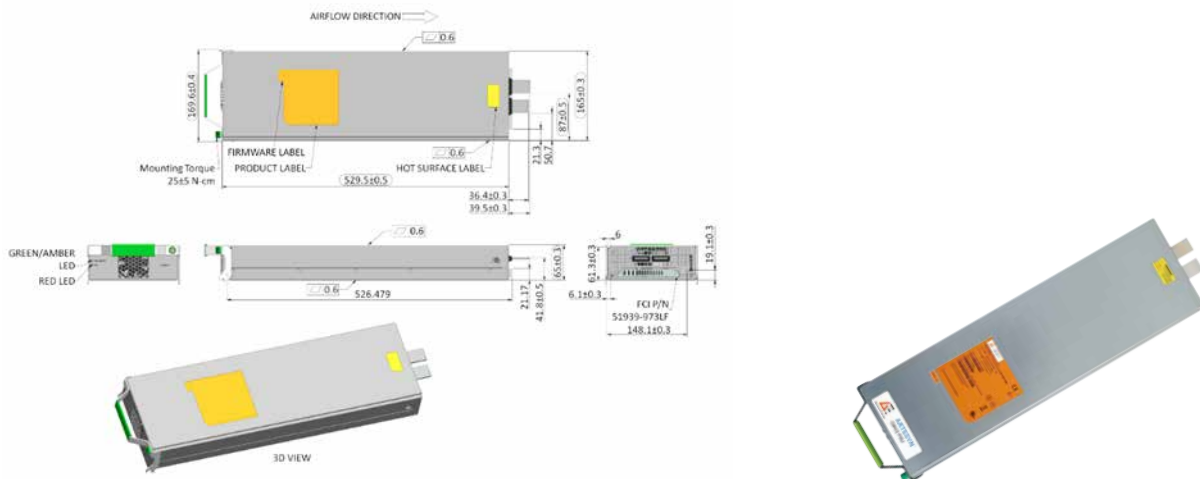
- UL 60950
- IEC 60950

ELECTRICAL SPECIFICATIONS

Input			
	MIN	NOM	MAX
Voltage VAC	180	200/277	305
Turn off VAC	171	175	179
Start up VAC	182	186	190
Hold up (@100% Load 200-277 VAC) msec		20	
iTHD (Load >10%) %			10
Output			
12 V Output (Droop Share)	12		12.63
52.5 V Output	52.395	52.5	52.605
Power W			3300 W
Main Output Current (12.6 V)	0		265 A
52.5 V Output (A)	0	5 A	6 A
12.6 V Output Ripple (pk-pk) mV			120
52.5 V Output Ripple (pk-pk) mA			300

Here is the detailed specification for the ORV2Power Supplies - <http://files.opencompute.org/oc/public.php?service=files&t=beebc9dbcb3b1194596e095fed2480eb>




POWER SUPPLY MECHANICAL OUTLINE



**MATING CONNECTOR INFORMATION**

DEVICE	CONNECTOR	MATING CONNECTOR	REMARKS
PSU	Output Busbars (Cu with 25x3mm cross-section)	TE CONNECTIVITY 1643903-3	Mating Connector part of Shelf
	FCI 51939-973LF	FCI 10066440-365	Mating Connector part of Shelf; Included in FCI Cable Assembly P/N 10110174-9FB0232LF
Shelf	MOLEX 43202-8819	STANDARD RJ45 PLUG	Molex 43202-8819 to be replaced on future units by Adam Tech MTJ-88TX1-FSE-PG-HF
	MOLEX 39-30-1062	RECEPTACLE: MOLEX 39-01-2065 CRIMP: MOLEX 45750-3111	
	POSITRONIC SP5YYE48M0LN9A1/AA-PA1067	RECEPTACLE: POSITRONIC SP5YYE1F0091/AA CRIMP: POSITRONIC FC1212P2S/AA	
BBU	FCI 51915-415	FCI 10097404-072	Mating Connector part of Shelf; Included in FCI Cable Assembly P/N 10110174-9FB0232LF

**ORDERING INFORMATION**

Model	Input	Output	Type
700-014671-0000	200-277V~50/60Hz - 22A 33.8-52.5V  120A	12.6V  265A MAX 52.5V  5A MAX	ACDC-ORV2-3600W



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## 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

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