

ARTESYN OCP ORV2 COMPLIANT POWER SHELF

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



Advanced Energy introduces 6,600W V2 power shelf which is powered from a three phase system and has a 12V main output. The power shelf includes three 3,300W (N+1) hot swappable V2 power modules and three battery back up units. The backup is provided by battery back up modules which are installed in the same shelf.

This power shelf is typically used for compute and storage applications to provide reliable power and battery back up functions.

DATA SHEET

Total Power:

6600 W

SPECIAL FEATURES

- Redundant (2+1) output 6600W at 12.6V with active share
- Houses 3x3300W power modules and 3x3600W Lithium Ion battery back up modules
- Open Compute Project (OCP) compliant
- 3 phase 200-277V input

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

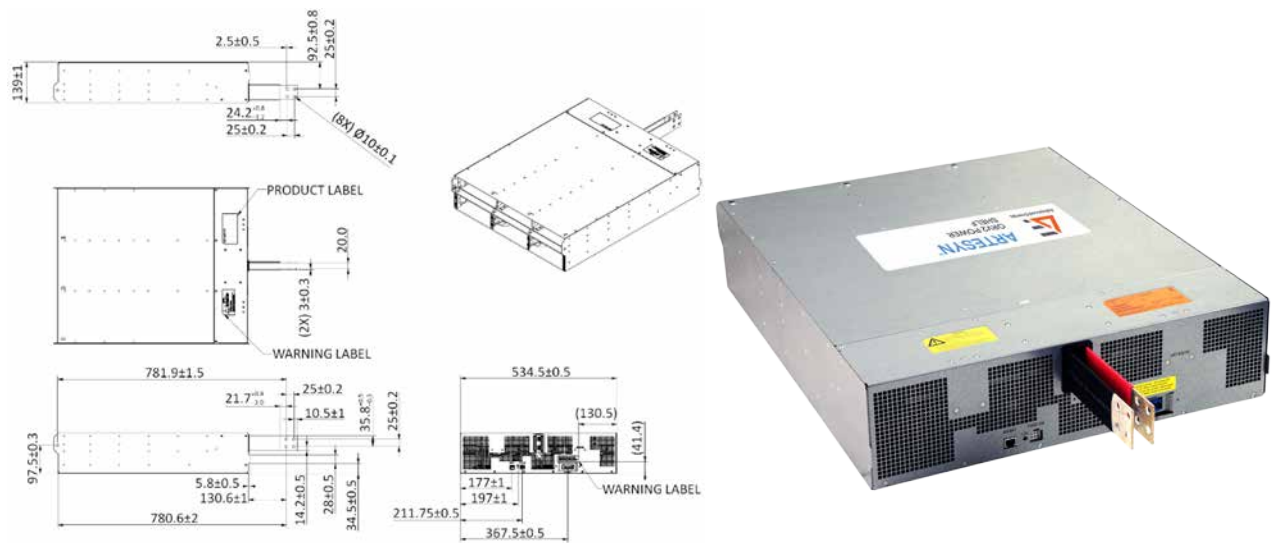
ORV2 POWER SHELF

ELECTRICAL SPECIFICATIONS

Input			
	MIN	NOM	MAX
Voltage VAC	180	200/277	305
Start up VAC	182	186	190
Output			
12 V Output (Droop Share)	12		12.63
52.5 V Output	52.395	52.5	52.605
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
Power W (N+1)			6600

Here is the detailed specification for the ORV2 Power Shelf - <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 51939-812	FCI 10066440-365	Mating Connector part of Shelf
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 51740-1030240	FCI 10097404-072	Mating Connector part of Shelf

ORDERING INFORMATION

Model	Input	Output	Type
700-014672-0000	277/480Vac (3W+N+PE), 3~, 50/60Hz, 22A	12.6V  530A MAX 9V  1A MAX	ACDC-ORV2-6600W



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ABOUT ADVANCED ENERGY

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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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