

OCP OR2 Compliant PSU

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

Data Sheet

Total Output 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

Artesyn Embedded Power 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.

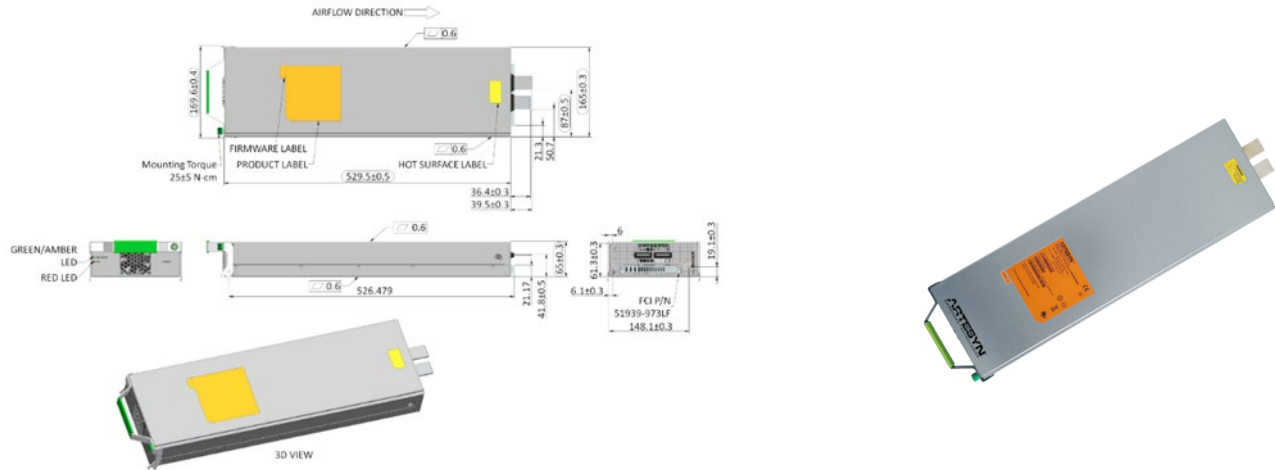
Electrical Specifications

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=beebc9dbcb3b1194596e095fed-2480eb>

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 SP5YYE48MOLN9A1/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 \equiv 120A	12.6V \equiv 265A MAX 52.5V \equiv 5A MAX	ACDC-ORV2-3600W

WORLDWIDE OFFICES

Americas

2900 South Diablo Way
Suite B100
Tempe, AZ 85282, USA
+1 888 412 7832

Europe (UK)

Ground Floor Offices, Barbary House
4 Harbour Buildings, Waterfront West
Brierley Hill, West Midlands
DY5 1LN, UK
+44 (0) 1384 842 211

Asia (HK)

14/F, Lu Plaza
2 Wing Yip Street
Kwun Tong, Kowloon
Hong Kong
+852 2176 3333

ARTESYNTM
An Advanced Energy Company

www.artesyn.com

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For more information: www.artesyn.com
For support: productsupport.ep@artesyn.com

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