



Schneider Electric OCP V2 Rack

Submission for OCP Inspired recognition

OCP Rack & Power Workshop 24 July 2018

Life Is On

APC
by Schneider Electric

OCP V2 Rack Submission

V2 Rack submission complies with OCP
Open Rack Standard V2.0
(12V derivative)

Requesting 'OCP Inspired'

Documentation supporting submission:

- Orderable SKU: AR6641
- Data Sheet
- 2D submittal drawings, DWG and PDF
- 3D DWG Model
- This PPT

Initial stocking strategy to cover NAM & Europe



AR6641 – OCP Open Rack V2 Complaint



Specifications

AR6641

Mechanical

Height	2010mm
Width	600mm
Depth	1067mm
Equipment Mounting Height	410U
Equipment Mounting Width	21"
Static, Dynamic & Shipping* Weight Capacity	1400KG
Color	Black

Electrical

Busbar Nominal Voltage	12VDC
Busbar Material	Copper with nickel plating
Number of Busbar Pairs	1
Number of Power Zones	1
Busbar Cross Sectional Area	250mm
Max Current (amps) at 3.5 and 5 amps/mm ²	875A / 1250 A

Warranty

5 Year (Repair or Replace)

Testing

Testing conducted to ensure performance for fully integrated deployments

Internal DVT tests

- Static test, 1680kg → no deformation
- Dynamic rolling 1000m, 1400kg → no deformation
- 6mm step test, 1400kg, 5 times → pass, no deformation
- 1" gap test, 1400kg, 5 times → pass, no deformation
- 5° ramp test, 1400kg → roll off pallet and roll on pallet

3rd Party Standards

- Vibration Resonance ASTM D3580-95 Method A
- Drop and Impact Test Schedule A – ASTM D4169-16
- Random Vibration Test Schedule E – ASTM D4169-16
- UL Mechanical Safety – UL 60950-1-07 (including tilt 10 degrees (IEC))



Compatible with Gemini – 15kW N+1 PSU

Existing OCP Inspired PSU

Basic Specs

- 15kW N+1 or 9kW 2N
- Modular input ATS for 2N input when in N+1 configuration
- 20U
- 208-240VAC input
- 3kW hot pluggable modules
- 80 Plus Platinum efficiency – 94% @ 50 – 80% load
- Separate BBU shelf direct connects to busbar
- PSU can communicate with 2 BBU shelves



OCP Tenets for Schneider Electric OCP V2 Rack

- Efficiency
 - Electrical efficiency: Supports centralized PSU with busbar distribution
- Scale
 - 1400kg load capability supports shipping fully integrated racks
 - Busbar can support over 15kW per rack
 - Supply chain capable to supporting any volume
- Openness
 - Complies with existing OCP V2 rack spec
- Impact
 - Schneider Electric supply chain & channel will be able to support customers of all sizes



Questions?