ARCHITECTURAL SPECIFICATIONS
ONErack Spider
DC Power Distribution

(Variable DC voltage power distribution**)**

DESIGN

- DC Power Distribution system shall include a 5 year warranty with system support for 1 years after discontinuance of the product.
- DC Power Distribution system must be UL certified, DC power distribution systems not UL certified shall not be accepted.
- DC Power Distribution system must be FCC class A certified, DC power distribution systems not FCC class A certified shall not be accepted.
- DC Power Distribution system must provide up to 7 different simultaneous voltages from 5v – 24 volts DC at 35 watts DC Power Distribution systems that do not provide up to 7 different simultaneous voltages from 5v – 24 volts DC at 35 watts shall not be accepted.
- DC Power Distribution system must provide a 250 watt or 400 watt power supply which can be placed within 1RU or the zero space of the rack, DC Power Distribution systems that require additional rack space for the power supply shall not be accepted.
- DC Power Distribution system must provide LED indicators for Load and faults, DC Power Distribution systems that do not provide LED indicators for Load and faults shall not be accepted.
- DC Power Distribution system must provide resettable PTC on each DC output, DC Power Distribution systems that do not provide resettable fuses on each output shall not be accepted.
- DC Power Distribution system must provide MOV Surge suppression, DC Power Distribution systems that do not provide MOV surge suppression will not be accepted.
- DC Power Distribution system must be actively cooled without using any extra rack space, DC Power Distribution systems that require additional rack space for cooling will not be accepted.
- Cooling options must be powered by the internal power supply of the DC Power Distribution system without using any extra rack space, DC Power Distribution systems that require additional rack space in order to power the cooling option shall not be accepted.
- DC Power Distribution system must provide Power extension up to 40ft (12m), DC Power Distribution systems that do not provide 40ft (12m) of power extension shall not be accepted.

PROGRAMMING

- The ONErack Spider is available in two models, a 250w 1RU half rack with a capacity of 7 modules, and a 400w 24 inch strip with the capacity of 23 modules.
- There are several mounting options for the 250w half rack version. Single and dual, front and rear as well as vertical rack mounting and surface mounting.
- Full list of Parts for the ONErack Spider

ITEM	DESCRIPTION
1RK-SPDR-HALF-7	Multi Voltage PSU Half Rack with 3 voltage modules included
1RK-SPDR-STRIP-23	Multi Voltage PSU Strip with 23 voltage module slots; 10 voltage modules included
1RK-SPDR-PWR	Additional voltage selector module for use with ONErack Spider
RM-660	Front or Rear Rack mount kit for single & dual 1RK-SPDR-HALF-7
RM-601	Surface Rack mount kit, for a single 1RK-SPDR-HALF-7
RM-661	Front or Rear Rack mount kit with Shelf accessory, for a single 1RK-SPDR-HALF-7

TECHNICAL SPECIFICATIONS

ITEM	DESCRIPTION
1RK-SPDR-HALF-7	
Size D+H+W	195mm x 43.75mm x 218mm (7.6 x 1.7 x 8.58 inches)
Weight (empty)	1.95Kg
Max voltage modules	3 (expandable to 7)
Power per module	max 35w
Connectors	2-pin 3.5 mm detachable terminal block, (2 per module)
DC output ports	14 max (2 per module)
DC Voltages per slot	5v@7A, 7.5v@4.7A, 9v@3.9A, 12v@2.9A, 13.5v@2.6A, 18v@1.9A, 24v@1.5A
Certifications	TBD
Main output power	250w
Active cooling	yes, front to back
Fan noise	24dB(A)
BTU	1024 BTU
AC input Voltage	90-264v AC @ 2.75A max
Thermal	0º - 40º C
Humidity	10% to 85%, Non-condensing
Altitude	< 2000m
AC Surge and Overload Protection	MOV
DC Overload protection	Auto-resetting PTC on each DC output
Power Extension	Up to 20ft, 7AWG for + & - will result in 3% or less drop Up to 40ft, 4AWG for + & - will result in 3% or less drop
MTBF	TBD
1RK-SPDR-STRIP-23	
Size D+H+W	609.6mm x 103.4mm x 89.75 (24 x 4 x 3.5 inches)
Weight (empty)	4kg
Max voltage modules	10 (expandable to 23)
Power per module	max 35w
Connectors	2-pin 3.5 mm detachable terminal block, (2 per module)
DC output ports	46 max (2 per module)
DC Voltages per slot	5v@7A, 7.5v@4.7A, 9v@3.9A, 12v@2.9A, 13.5v@2.6A, 18v@1.9A, 24v@1.5A
Certifications	TBD
Main output power	400w
Active cooling	yes
Fan noise	24dB(A)
BTU	1706 BTU
AC input Voltage	90-264v AC @ 5.5A max
Thermal	0º - 40º C
Humidity	10% to 85%, Non-condensing
Altitude	< 2000m
Surge Suppression	MOV
Overload Protection	Auto-resetting PTC on each DC output
Power Extension	Up to 20ft, 7AWG for + & - will result in 3% or less drop Up to 40ft, 4AWG for + & - will result in 3% or less drop
MTBF	TBD