



# Save time. Save money. Simplify.

## EcoStruxure™ Micro Data Center for Rugged Environments

### Solution at a Glance

IIoT and Industry 4.0 transformations mean that critical IT and OT equipment is moving closer to where it's used. That's why Schneider Electric™ has expanded its line of EcoStruxure™ Micro Data Center R-series to include all new IP ratings for harsh environments. It's everything you already love about EcoStruxure Micro Data Center – a complete, simple-to-deploy, simple-to-manage solution – fine-tuned for industrial use.



Up and running in weeks, not months.



Costs less than typical data center build!



Securely manage from anywhere.

### Secure physically to ensure cybersecurity

- NEMA & IP rating for industrial environments
- Essential access control
- Environmental monitoring & alerts
- Remote video surveillance

### Proactively manage with three flexible options

Do-it-yourself

Let a partner manage

Let us monitor & service

All supported by our EcoStruxure IT™ management platform



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Electric

## R-Series Configurable Solution

Select power, cooling, and security options to complete the solution. Made for indoor environments with dust, moisture, and wide temperature changes.



Low Density Enclosure	16U Wall Mounted	24U Low Density	42U Low Density	42U Wide Low Density
<b>Base Enclosure</b> (add ventilation to complete solution)				
H x W x D (mm)	800 x 600 x 400	1300 x 600 x 800	2100 x 600 x 800 2100 x 600 x 1000	2100 x 800 x 1000 2100 x 800 x 1200
Static Load	48kg	240kg	400kg	400kg
Total Rack U Space	16U	24U	42U	42U
Avail. Rack U Space	Configuration dependent			
IP Rating	IP54 (with ventilation)*			
Base	N/A	Plinth		

\*ventilation system not included in base enclosure



Low Density Configuration	16U Wall Mounted	24U Low Density	42U Low Density	42U Wide Low Density
<b>Additions to Configure Complete Solution through Local Edge Configurator (LEC)</b>				
<b>Power</b>				
Maximum IT Load	500W	2kW	2kW	2kW
UPS Capacity	500VA	1 - 3kVA	1 - 3kVA	1 - 3kVA
UPS Runtime	Configuration dependent			
Power input	230V	230V	230V	230V
<b>Cooling</b>				
Cooling capacity	≤0.5kW	≤2kW	≤2kW	≤2kW
Cooling Type	Fan Ventilated (fan system to be added to enclosure)			
<b>Security</b>				
Monitoring	Options available (Phone, App, Web)			
Environmental Sensing	Options available			
<b>Deployment</b>				
Pre-installed IT	No			
Assembly	Optional assembly of ventilation, power, and monitoring components			
Warranty	1 year warranty			

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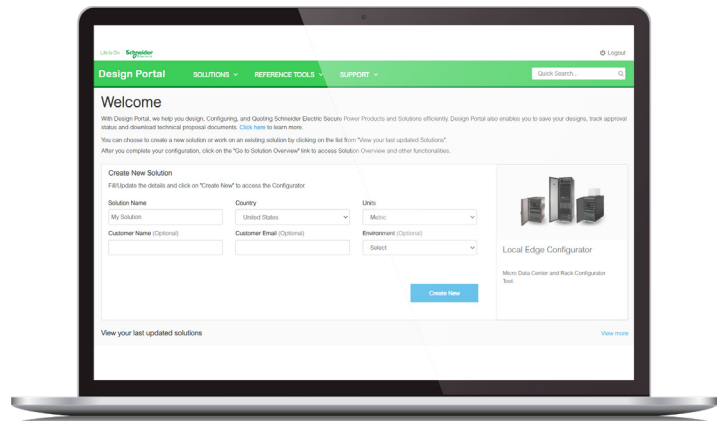


Medium Density Enclosure	42U Medium Density	42U Medium Density
Enclosure Part Number	AR5340	AR5340F
H x W x D (mm)	2000 x 800 x 1200	
Static Load	1361 kg	
Total Rack U Space	42U	
Avail. Rack U Space	Configuration dependent	
Emergency Fan	No	Yes - 3kW
IP Rating	IP54	
Base	Casters with levelling feet	

## Local Edge Configurator

Use the configuration tool to help design computing solutions and select the right physical infrastructure, management, services and security for the application.

Configure now at [se.com/myschneider](https://se.com/myschneider)



## R-Series Integrated Solution

Configured solution with pre-integrated power, cooling, and security. Made for indoor environments with dust, moisture, and wide temperature changes.



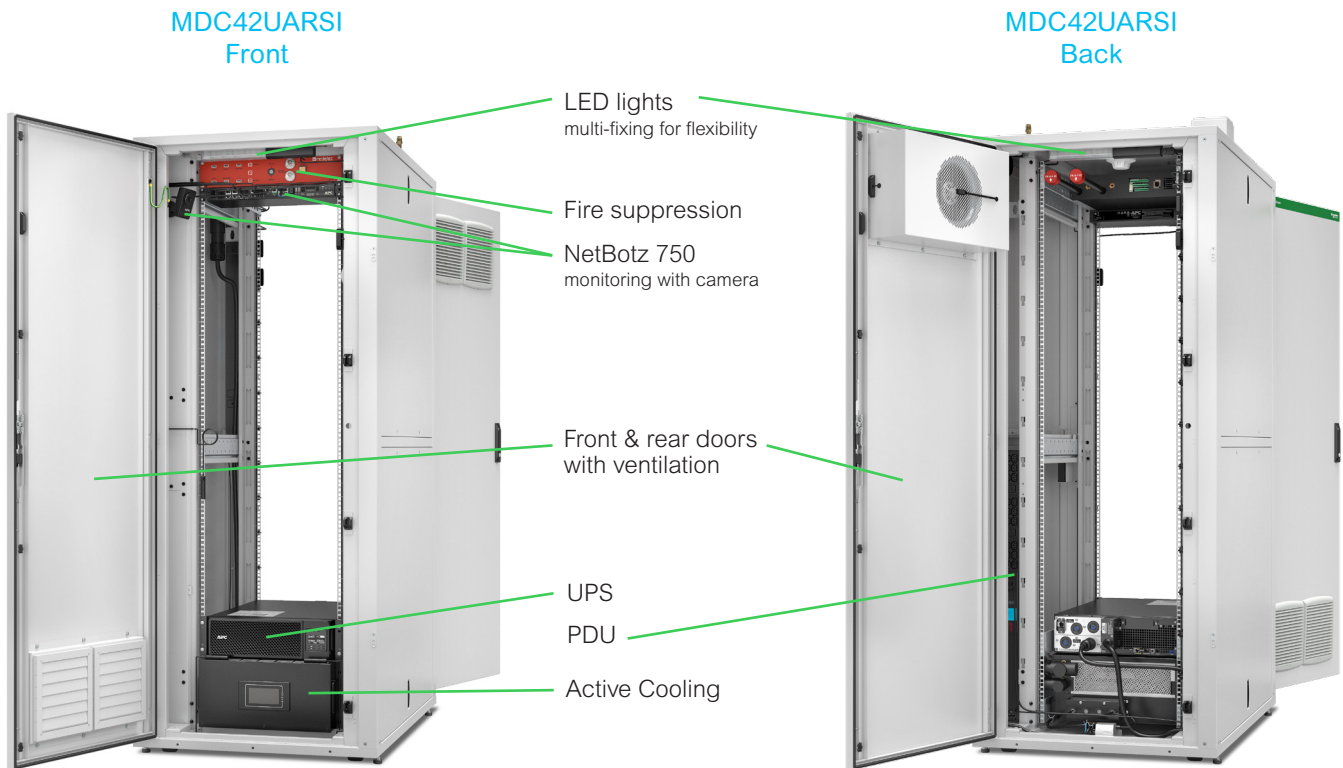
	NEW 42U Medium Density		42U High Density	
Base System Pre-Installed at Factory				
Solution Part Number	MDC42USRSI	MDC42UARS I	PFMSB51042	PFMSB50042
Enclosure				
H x W x D (mm)	2000 x 800 x 1200	2000 x 800 x 1200	2432 x 1070 x 1580 (w/ casters)	2432 x 1070 x 1580 (w/ casters)
Total Rack U Space	42U	42U	42U	42U
Avail. Rack U Space	33	31	36	33
NEMA / IP Rating	IP54	IP54	none	none
Power				
Maximum IT Load	3.5kW	3.5kW	4.8kW	8kW
UPS Capacity	5kVA	5kVA	5kVA	8kVA
UPS Runtime	6min	6min	3.5min	5min
Power input	230V	230V	230V	230V
Cooling				
Cooling capacity	≤3.5kW	≤3.5kW	5kW	10kW
Cooling Type	Split DX*	Split DX*	Self-Contained DX	Self-Contained DX
Security				
Monitoring	Yes		Yes	
Environmental Sensing	Yes		Yes	
Fire Suppression	No	Yes	Optional	Optional
Deployment				
Pre-installed IT	Yes		Yes	
Assembly	Ships fully assembled with shock packaging		Ships fully assembled	
Warranty	2 year factory warranty		1 year warranty	

# 42U medium density details



42U Medium Density		
Base System Pre-installed at Factory		
Part Number	MDC42USRSI	MDC42UARS1
Rack	IP54 Enclosure front & rear solid doors	IP54 Enclosure front & rear ventilation doors
Available Rack U Space	33	31
UPS Power Module	SRT5KRMXLI	
Power Input	230VAC IEC 309 connector	
Rack Power Distribution	2x AP8858 (Metered)	
Emergency Fan	No	Yes
Monitoring	NetBotz 250 EcoStruxure IT Gateway	NetBotz 750 with Camera EcoStruxure IT Gateway
Environmental Sensing	Temperature/Humidity, Door Contact, Spot Fluid Sensor	Temperature/Humidity, Door Contact & Spot Fluid Sensor
Physical Security	Standard Mechanical Lock	
Accessories	2 X multi-fixing LED lamp Toolless cable management rings AR7540 (Qty 10)	
Cooling indoor	ACRMD4KI-1 Display + Pump	
Cooling outdoor	ACRMD4KI-3	
Cooling piping	Top Piping, ACAC10054	
Fire Suppression	N/A	Rackable 2U NOVEC 1230 FSS with IP Module
Additions to Configure Complete System		
Battery Pack	SRT192RMBP	
Optional		
Start-up	WINSTL-MDC-03	
Monitoring	SFTWES5-DIGI (EcoStruxure IT Expert)	
Extended Warranty	WEXT1YR-MDC-03, WEXT3YR-MDC-03	

# Features overview



Features vary by model, view specification information for feature details on other offers.

Contact your partner for a quote.

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Schneider Electric Industries SAS  
35, rue Joseph Monier – CS30323  
F92506 Rueil-Malmaison Cedex