



BLADE S-MAX

Cabinet for Blade Server

BLADE S-MAX

Overview

Material specification

- **Corner verticals:**
1.5 mm steel
- **End frames:**
1.5 mm steel
- **Panel mounts:**
2.0 mm steel
- **Panel mount supports:**
1.5 mm steel
- **Side panels, door and top panels:**
0.9 mm steel
- **VERAK® S-MAX load capacity:**
1.000 Kg

Standards

IEC 60297: mechanical structures
Dimension for the 482.6 mm (19")
series

DIN 41494: Basic specification for
the 19" construction systems

EN 60950: European safety stan-
dard for information technology
equipment

VDE 0100: Selection and Set up for
heavy current systems and earthing

DIN-1249-11: Glass in building;
glass edges

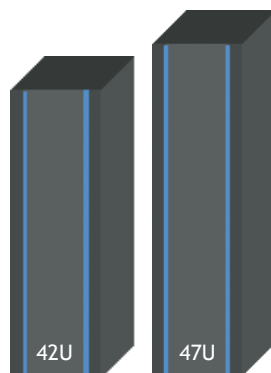
Colour specification



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Dimensions



Floor version

Depth 1000 - 1200 mm

Width 600 mm

Introduction to BLADE S-MAX

Blade S-Max is a cabinet specially developed for housing of new generation servers that allow executions defined as " high density". Strong and versatile Blade S-Max, besides providing the features of a traditional product, it also provides a supplementary vertical space for optimal management of cables or of server supply.

In fact, besides the traditional 19" horizontal units, there are well 6/8 supplementary vertical units available for the user and one dedicated space in the superior covering as well as in the inferior one for housing of supply cables .

All this without interference with the dedicated server housing space. For example, Blade S-Max in a traditional execution from 42U puts at your disposal more than 8 units, bringing the capacity of the same rack to 50 comprehensive units.

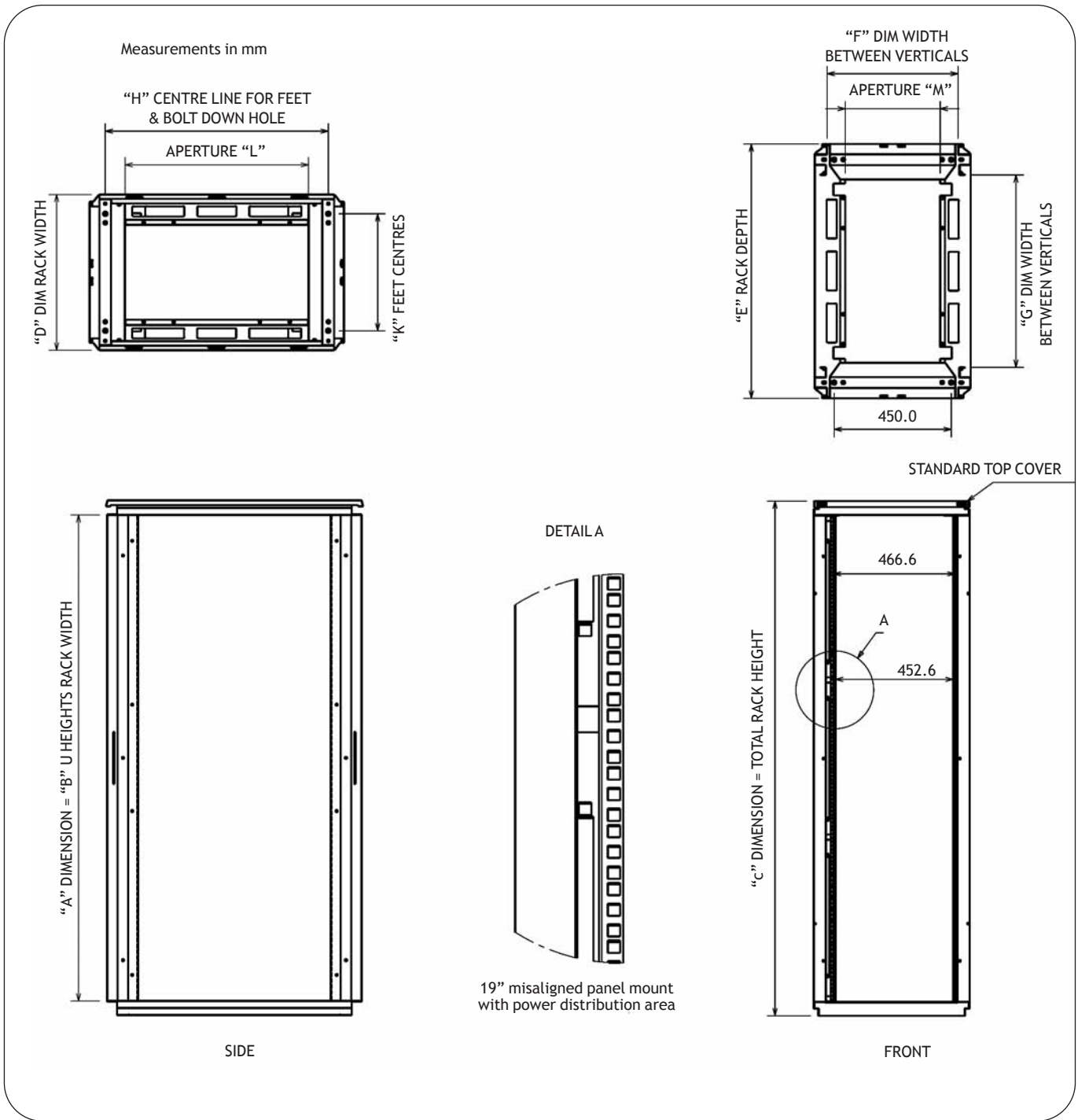
Key Features:

- Adaptable for Future needs - designed to house all major servers on the market
- Versatile - can accomodate 19" equipment
- Load capacity up to 1.000 Kg
- Fully vented doors and unique door vent pattern to optimize air flow
- Temperature sensor with 3 m cable supplied as standard
- Locking Side panels accessible from only inside the cabinet
- Unique "straight line" cable paths protect cable performance
- Supplied fully assembled
- Raft system for technical floor
- Vast selection of application specific accessories
- 2 height options: 42U, 47U
- 2 depth options: 1000 mm and 1200 mm
- 1 width options: 600 mm
- Choose from: pre-configured cabinets or configure your own
- Colour Finishing: - external colour: Anthracite Grey (RAL 7016)
- internal colour: Black (RAL 9005)



BLADE S-MAX

Technical specifications



Order code	Rack dimensions	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"K"	"L"	"M"
VT584-000309	42U 600 x 1000	1868.5	42	1978.5	597.6	978	500	740	858	450	705	365.2
VT584-000310	47U 600 x 1000	2090.8	47	2200.8	597.6	978	500	740	858	450	705	365.2
VT584-000311	42U 600 x 1200	1868.5	42	1978.5	597.6	1178	500	940	1058	450	905	365.2
VT584-000312	47U 600 x 1200	2090.8	47	2200.8	597.6	1178	500	940	1058	450	905	365.2

BLADE S-MAX - “Primary” Ready to use

The VERAK® S-MAX “Primary” is a ready to use configured cabinet designed for your convenience. One order code gives you a complete “Primary” cabinet ideal for housing active equipment, electronics and computer servers or can be used as a base cabinet to be completed by adding various accessories.

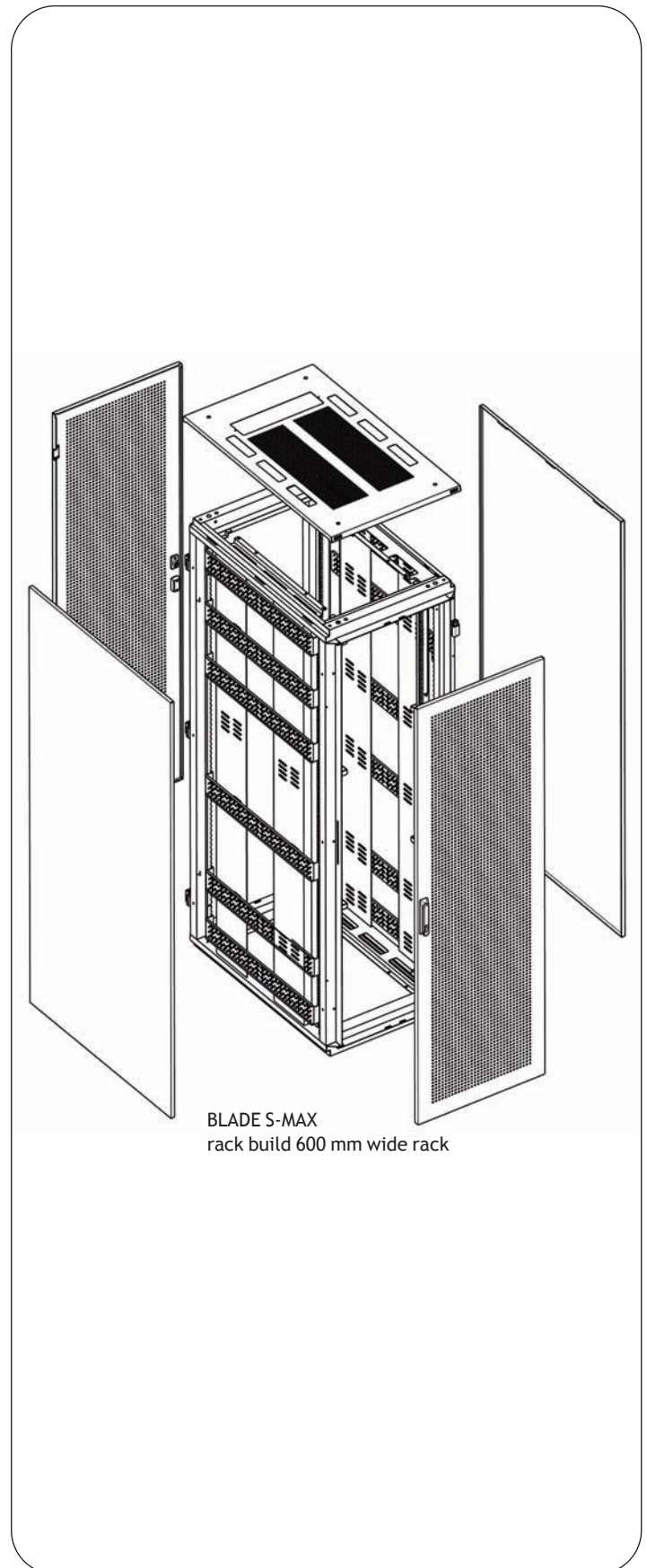
Contents of kit	Qty	Finishes
Corner verticals	4	Black RAL9005
End frames	2	Black RAL9005
19” panel mounts (2 with power distribution area)	4	Black RAL9005
Panel mount supports kit	6	Black RAL9005
Side panels w/ closing internal security	2	Anthracite RAL7016
Top cover ventilated	1	Anthracite RAL7016
Bottom screen	1	Black RAL9005
Ventilated front door (81%)	2	Anthracite RAL7016
Set of adjustable feet	1	Black RAL9005
Earthing kit	1	Black RAL9005

Ordering information

Description	Order code
Blade S-Max 42U 600 x 1000 mm	VT584-000309
Blade S-Max 47U 600 x 1000 mm	VT584-000310
Blade S-Max 42U 600 x 1200 mm	VT584-000311
Blade S-Max 47U 600 x 1200 mm	VT584-000312

Dimensions

U Height	Overall Height mm	Internal Height mm
42U	1978.5	1868.5
47U	2200.8	2090.8
	Addition to height	
Heavy duty castors	59.7 mm	
Adjustable feet	Min. 25 Max 60 mm	



BLADE S-MAX
rack build 600 mm wide rack

BLADE S-MAX

Structural elements

Frame

The frame comprises of 4 verticals and 2 end frames.

19" panel mounts

A BLADE® S-MAX is supplied with 4, 19" panel mounts (2 with power distribution area).

Side panels

Side panels are supplied in pairs and available in 0.9 mm steel with concealed catch locks.

Front door

New generation of perforated steel doors provide both a 180° opening and a 81% open area, that increase considerable the air flow into the rack. Doors have always swing handle, 3 point locking and a self locking. Moreover, the front door has a digital led for monitoring the internal temperature of the rack. The feeler led can be fitted at the discretion of the customer.

Swing handles

The doors have a swing handle fitted as standard. As an option it can be requested with a manual key lock.

Vented top cover

Top cover is fully vented to allow air flow and 7 slots are present for cable entry.

Bottom

The bottom is open to offer maximum space (6 slots) for cables to pass comfortably through.

Additional units

Blade S-Max provides 6/8 additional vertical units (basis on the height), further to standard 19" orizzontal ones.

The top of the rack has a dedicated area for power distribution.

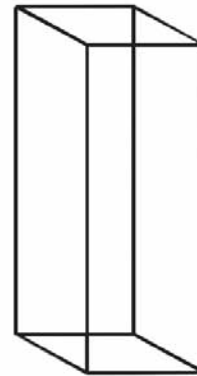
Castors kit

Heavy duty: Load capacity up to 115 Kg each under average conditions; fitted to the rack with mounting plates. Available in braked and unbraked versions.

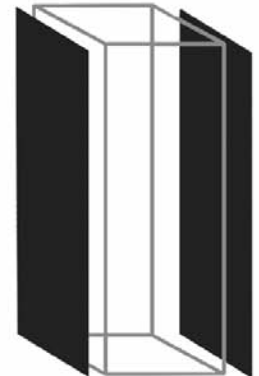
Lifting eyes

Lifting eyes are sold as a kit of 4. Each has a load capacity up to 320 Kg.

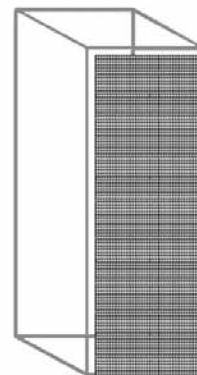
Note: "side vented" and "fully vented" top covers must be removed before lifting eyes can be fitted.



Frame



Side panels



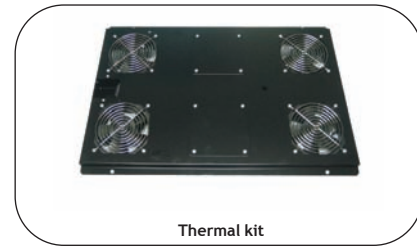
Ventilated door



Top cover

Thermal kit

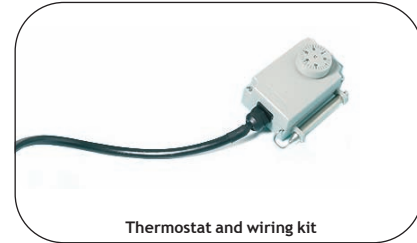
Description	Order code
Thermal kit 6 fans 600 mm	VT584-000157
Thermal kit 4 fans 600 mm	VT584-000188
Thermal kit 6 fans 600 mm low noise	VT584-000218
Thermal kit 4 fans 600 mm low noise	VT584-000216



Thermal kit

Thermostat and wiring kit

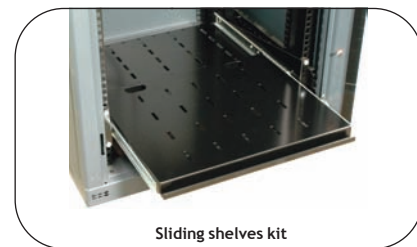
Description	Order code
Thermostat and wiring kit	VK385-775843



Thermostat and wiring kit

Sliding shelves kit load capacity 100 kg

Description	Order code
625 mm deep sliding shelves kit	VT584-000151
825 mm deep sliding shelves kit	VT584-000152



Sliding shelves kit

19" Cantilever shelves

Description	Order code
255 mm deep 19" cantilever shelves kit	VK593-599790
400 mm deep 19" cantilever shelves kit	VK593-599791
19" cantilever sliding keyboard shelves kit	VK385-775709



19" Cantilever shelves

Plinths kit 100 mm

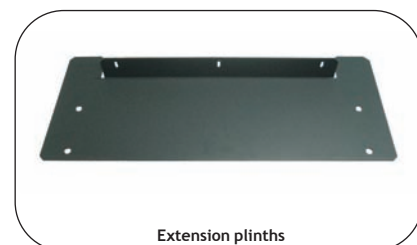
Description	Order code
Plinth kit 100 mm 600x1000	VT584-000220
Plinth kit 100 mm 600x1200	VT584-000222



Plinths kit 100 mm

Extension plinths

Description	Order code
Extension plinth for 600 mm wide rack	VT584-000209



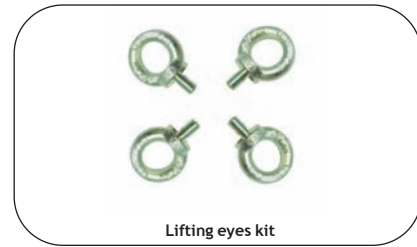
Extension plinths

BLADE S-MAX

Accessories

Lifting eyes kit

Description	Order code
Lifting eyes kit	VT567-565489



Lock options

Description	Order code
Keyed alike lock - manual locking	VT802-563610

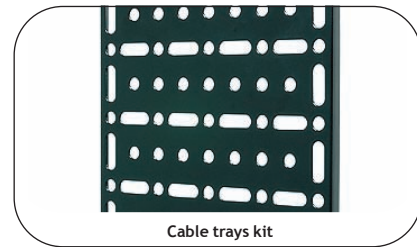
Castors kit

Description	Order code
Heavy duty braked castors kit 2 pz.	VT584-000249
Heavy duty unbraked castors kit 2 pz.	VT584-000251



Baying kit

Description	Order code
Baying kit	VT584-000131



Cable trays kit

Description	Order code
Cable tray kit 42U	VK385-775715
Cable tray kit 47U	VK385-775850

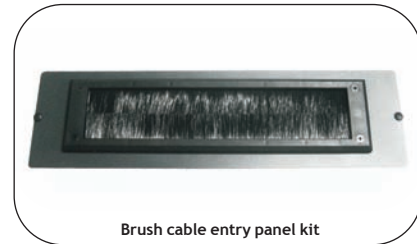
Single cable hoops kit

Description	Order code
Single cable plastic hoops kit 10 pz.	VK385-776232



Brush cable entry panel kit

Description	Order code
Cable entry panel with brush	VT584-000225

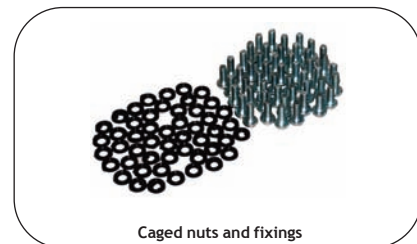


Cable management panels kit

Description	Order code
1U 19" cable management panel w/ metal hoops	VK385-776196
1U 19" cable management panel w/ plastic hoops	VK385-776229

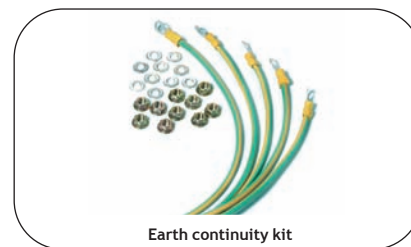
Caged nuts and fixings

Description	Order code
M6 caged nuts kit 50 pz.	VK385-776190
M6 x 12mm pozi-drive screws and cup washers kit 50 pz.	VK385-776191



Earth continuity kit

Description	Order code
Earth continuity kit	VT802-560005



Active Rack Controller (ARC)

Description	Order code
ARC 19" 1U w/temperature/humidity sensors and software	N/A
Active Rack Controller Top version with temperature/humidity sensors and software	N/A
Smoke detector	N/A
Shock sensor	N/A
Door sensor (open/close)	N/A
Electronic handle w/keyboard and electric lock	N/A
Sound sensor	N/A
Electric lock	N/A
Badge reader	N/A
Keypad	N/A



Fire Protection Unit (FPU)

Description	Order code
Unit Master FPU w/ smoke detector and GAS FM200 for 1,5m	VA295-000000
Unit Slave FPU w/ smoke detector and GAS FM200 for 1,5m	VA295-000001



BLADE S-MAX

Accessories

Network Power Manager

Steel Network Power Manager

1U - 19" rackmount	Order code
PDU 4 sockets multistandard w/illuminated switch	K04MET-IL2S
PDU 4 sockets multistandard w/MGT	K04MET-MT2S
PDU 4 sockets multistandard no protection	K04MET-SI2S
PDU 6 sockets multistandard w/illuminated switch	K06MET-IL2S
PDU 6 sockets multistandard w/MGT	K06MET-MT2S
PDU 6 sockets multistandard no protection	K06MET-SI2S
PDU 9 sockets multistandard w/illuminated switch	K09MET-IL2S
PDU 9 sockets multistandard w/MGT	K09MET-MT2S
PDU 9 sockets multistandard no protection	K09MET-SI2S

Also available in 1U 19" up to 16 IEC sockets.

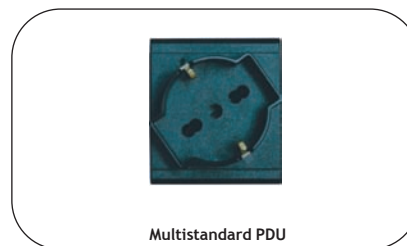
Plastic Fireproof Network Power Manager

1.5U - 19" rackmount	Order code
PDU 5 multistandard socket w/MGT	C5NER-MSTDB
PDU 5 UK sockets w/illuminated switch, 13A BS1363 Plug	CL05-UKIL13ABS
PDU 6 multistandard socket w/illuminated switch	C6NER-MSTVI
PDU 6 UK sockets w/MGT, 13A BS1363 Plug	CL06-UKMT13ABS

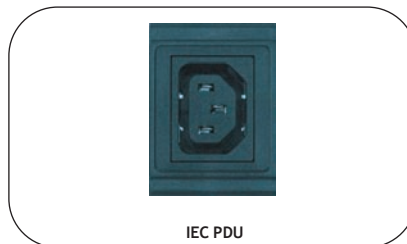
2U - 19" rackmount	Order code
PDU 20 IEC socket w/MGT, 16A DIN49441 Plug	CL20-IECMT16AD

Vertical mounting	Order code
PDU 12 multistandard socket w/MGT	C12NE-MSTDBPC
PDU 12 UK style socket w/MGT, 13A BS1363 Plug	CL12-UKMT13ABS
PDU 12 IEC style socket w/MGT, 16A DIN49441 Plug	CL12-IECMT16AD

Power Distribution Units are CE marked - conforms to CEI EN 60439-1 regulation



Multistandard PDU



IEC PDU



DIN49441 plug



BS1363 plug