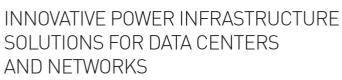
## NEW RANGE OF PDUs & iPDUs





**GLOBAL SPECIALIST** IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES







EXCLUSIVE TO LEGRAND OUR PDUs FEATURE EXCLUSIVE LEGRAND INNOVATIONS. THEY ARE IDENTIFIED BY THE FOLLOWING SYMBOLS



## iPDUs, INTELLIGENCE AT THE HEART **OF YOUR NETWORKS**

From a complete data center to a small-scale Edge deployment, Legrand's range of power products now integrates new intelligent PDUs (iPDUs) which can be used to monitor and control the rack power infrastructure remotely, in order to efficiently manage power capacity and ensure uptime.



# PDUs, SOLUTIONS FOR ANY CONFIGURATION

## UNIVERSAL RANGE

A WIDE The new PDU offer combines Legrand's quality and innovation with a wide range of applications. A standalone solution, this range integrates seamlessly into any installation, ensuring compliance with applicable standards.

## **GENERAL CHARACTERISTICS**

- Anodised aluminium Chassis: High-quality material, lightweight and rigid
- Modular design: Expandable socket and function modules

## SAFETY

- High-quality electrics
- High-quality connection
- Sockets equipped with safety shutter
- Cord Locking system (see page 6)

## **POWER SUPPLY**

- 16 A to 32 A, single- or three-phase
- PDUs incorporating both international and local type sockets



## **STANDARDS**

IEC 60950 - Information technology equipment - Safety

IEC 60297-3 - Dimensions of mechanical structures of the 482.6 mm series (19 in)

IEC 60320-2-2 - Appliance couplers for C13 and C19 electrical equipment

IEC 60884-1 - French/Belgian and German standard plugs/ sockets

BS 1363-2 - British standard plugs/sockets IEC 60309 - Industrial plugs

.....

## Certification: CE, TSE, CCC

**Environmentally-friendly products** Eco-design



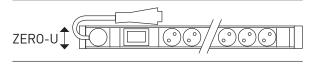
## FOR DATA CENTERS/SERVER ROOMS

These are used in server cabinets where:

- there is a high density of active equipment
- electrical distribution quality is crucial

## 14 BASIC PDU CATALOGUE NUMBERS 9 INTELLIGENT PDU CATALOGUE NUMBERS

#### FOR VERTICAL INSTALLATION



#### **1-U PDU** 19"

P.10



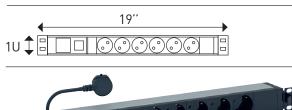
## FOR DATA CENTERS, EDGE SERVER ROOMS AND COMPUTER ROOMS

These are used in patching and server enclosures where:

- there is a low density of active equipment to be powered
- ease of installation is an advantage

## 29 BASIC PDU CATALOGUE NUMBERS 4 INTELLIGENT PDU CATALOGUE NUMBERS

#### FOR VERTICAL OR HORIZONTAL INSTALLATION





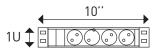
#### FOR SMALL IT ENVIRONMENTS

These are mainly used in small-scale commercial applications where there are a limited number of computer workstations and a 10" cabinet is sufficient:

- Small businesses, freelance professions, administrative services, etc.

#### 3 CATALOGUE NUMBERS

HORIZONTAL PDU



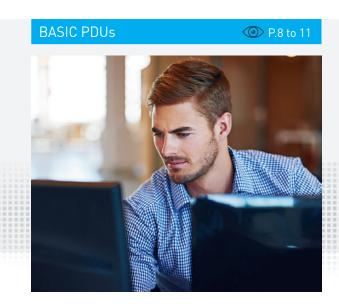


# **INTELLIGENT,** EFFICIENT POWER SUPPLY MANAGEMENT

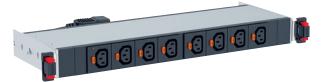
INCORPORATING INTELLIGENT, INNOVATIVE FUNCTIONS

PDUs can help meet the needs for energy while incorporating intelligent functions, including real-time power metering and environmental monitoring. Connected PDUs (iPDUs) include measurement of consumption and switching of active power and remote alarm with volts, amperes, real-time power (kW) and energy (kWh) measurements.



Legrand Metered and Switched models provide the most common power supply configurations to meet the needs of data centers and local networks. 

**ENERGY DISTRIBUTION** For implementation in LANs or data centers, these are easily mounted and have numerous configuration options

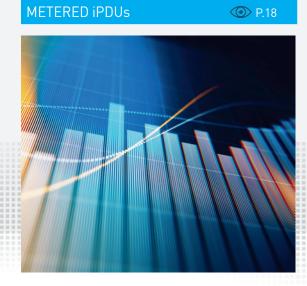


AVAILABLE IN VERTICAL ZERO-U AND HORIZONTAL 1U 19" VERSIONS

## METERED & SWITCHED iPDUs OP.14 to 19



**POWER SWITCHING AND REAL-TIME MONITORING** With input metering and output level switching, these can be used to remotely control the power of devices and supply the necessary information as needed. Multiple configurations are available



## **ACCURATE MEASUREMENT** With input metering, Legrand PDUs can provide accurate energy consumption measurements.

accurate energy consumption measurements. Multiple configurations possible

PDU FUNCTIONS BY RANGE	BASIC	METERED	SWITCHED
Ammeter	•		
Phase measurement (kWh, V, A, PF)		•	•
Circuit measurement (kWh, V, A, PF)		•	•
Circuit breaker trip detection		•	•
Socket management (Switching & Control)			•

# CORD LOCKING SYSTEM INNOVATION AT THE HEART OF PDUs

## FOR C13 & C19 SOCKET OUTLETS

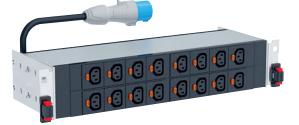
Security of cable connection at rack level is a critical element which must be considered to ensure longevity of the installation. All Legrand PDUs have a power supply cord locking system which prevents accidental disconnection due to human error or vibration and guarantees absolute safety. Function integrated in all Legrand PDUs:

Basic, Metered, Metered and Switched.

## AN INNOVATIVE TECHNICAL SOLUTION

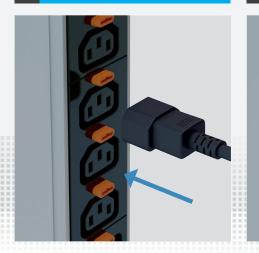


**CORD LOCKING SYSTEM** Very easy to identify thanks to the orange buttons next to each socket outlet



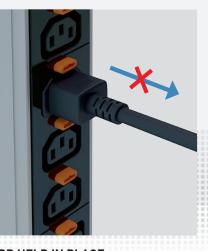


## CONNECTION



**CORD CONNECTION** The cord is connected to the socket naturally in one smooth action

## 2 AUTO LOCKING



**CORD HELD IN PLACE** Once the power supply cord is connected, it locks automatically and cannot be removed 3 UNLOCKING



Simply pressing the unlock button releases the cord from the socket

## UNIVERSAL SYSTEM

Takes all cords for standard C13 and C19 sockets





	NEW RANGE OF PDUs	LCS <sup>3</sup> 3 DIMENSIONS OF EXCELLENCE	7
HWWW.LEGRAND.COM			

# ZERO-U PDUs INNOVATION & PERFORMANCE

## EXCLUSIVE INNOVATIONS

3

Every detail matters! Legrand's unique and original innovations help ensure optimum performance for the ZERO-U range of PDUs, in terms of safety, simplified setup and integration, consumption indicators, etc.

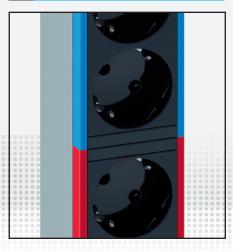


VERTICAL INSTALLATION

 $\checkmark$ 



#### **CIRCUIT MARKING** 2



**CIRCUIT IDENTIFICATION** Each circuit is colour-coded, with the colour visible on the front panel and along the edges of a module. The colour corresponds to the specific MCB protecting the circuit.

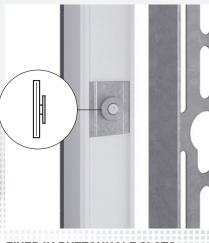
#### 3 **INPUT POWER**

 $\checkmark$ 



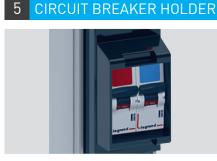
**ENHANCED PROTECTION** There are multiple solutions depending on power supply requirements

#### SCREWLESS MOUNTING 4



**FIXED IN BUTTONHOLE SLOTS** ZERO-U PDUs simply clip vertically into buttonhole slots on the mounting bracket without the need for any screws.

## **OPTIONS FOR BASIC PDUs ONLY**



**ENHANCED PROTECTION** 

Circuits protected by a circuit breaker. Holder with overhanging edges to prevent accidental breakages. (Cover available on request)



#### **CONSUMPTION INDICATOR**

- Circuit balancing
- Display of available capacity
- Overload prevention

## **EXCLUSIVE TO LEGRAND**



INNOVATIVE & HIGH-PERFORMANCE SOLUTIONS

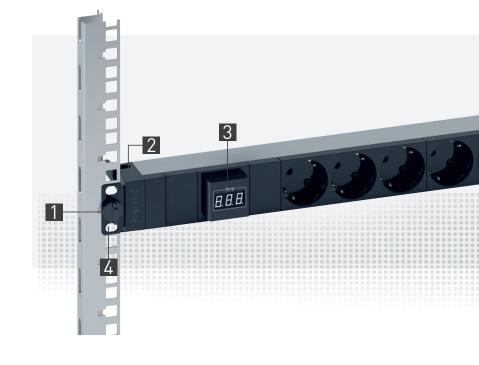
# 3

# 1-U PDUs INNOVATION & CONVENIENCE

## SIMPLE SETUP AND INTEGRATION

The 19" PDUs designed for installation in server cabinets and patch panels also incorporate the latest innovations for facilitating integration and maintenance, with clever mounting and operating features.







## PDU 1 U 10"

Specially designed for local area networks, these PDUs feature the same innovations as the 19" range.



10

## L<sup>1</sup> legrand









**ROTATABLE DISPLAY** The ammeter can be rotated 90° to ensure easy reading regardless of mounting position (horizontal or vertical).



2

**OPTIMISING SPACE** Cables are held firmly in place by a cable guide.

CABLE GUIDE

**TOOLLESS INSTALLATION** 

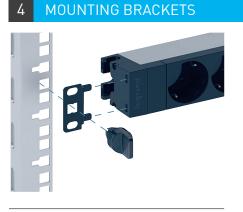
No need for screws or nuts.

Toolless installation.

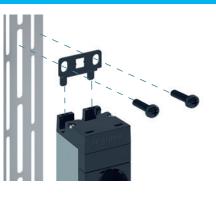
4

Snap-on fixing on 19" uprights

**SNAP-ON FIXING** 







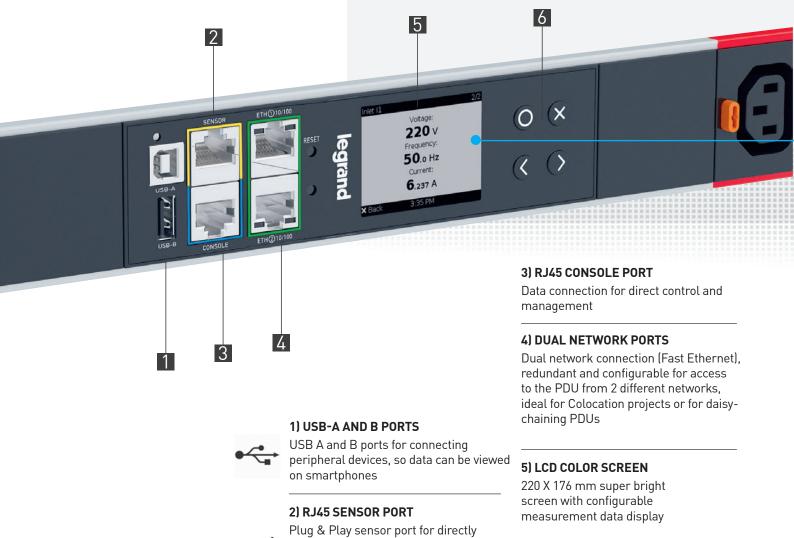
#### HORIZONTAL OR VERTICAL

Designed for horizontal toolless mounting, 1-U PDUs can also be mounted vertically simply by rotating the mounting lugs. Vertical mounting requires a bolt and nut to fix the PDU securely to the bracket.

# NEW CONTROLLER: THE HEART OF IPDUs

## A WIDE BRIGHT COLOR LCD DISPLAY

The new Legrand PDU controller allows local access to all critical measurement data. The bright color LCD display will change colour according to the alert level detected by the iPDUs; your field technicians can quickly identify iPDUs on which the thresholds have been exceeded, obtain correct power supply data immediately and take appropriate action.



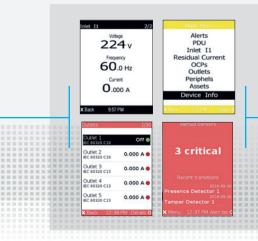
## con hun

Plug & Play sensor port for directly connecting temperature and humidity sensors and the Raritan SmartSensor<sup>™</sup> range

#### **6) INTUITIVE NAVIGATION BUTTONS**

Navigation buttons for local screen

## LOCAL DISPLAY



#### ADAPTIVE COLOUR SCREEN

The LCD display on the unit changes colour according to the alert level, making it easier for the technical teams to see the information

#### **DCIM MONITORING**

Legrand Metered and Switched PDUs can be used to export measurement and control data to any DCIM platform such as Sunbird Power IQ.



## NEW PDU HTML USER INTERFACE



#### DIRECTLY ACCESSIBLE DATA

Makes it easier to view the data center power supply data and information about the environment. The responsive Web graphic interface can be accessed from any device or tablet, or directly from a desktop computer. The redesigned overview screen provides the most important information at a glance, so you can easily monitor your PDU health and critical data, and also view the cabinet energy consumption in real time.



# METERED & SWITCHED iPDUs ADVANCED MONITORING

## GOLD STANDARD ACCURACY

The first step in preventing outages in your data center consists of making sure that you have the most reliable and accurate monitoring data. Legrand iPDUs are certified to have +/- 1% measurement accuracy with all types of load in real time, you can be sure that your PDU is supplying the necessary information as and when needed.

## ACCURATELY MEASURED ENERGY CONSUMPTION



## +/-1% HIGH-PERFORMANCE INPUT MEASUREMENT

Legrand PDUs benefit from the metering technology of Raritan, delivering a high-end measurement performance, which gives a clear picture of energy consumption.



## REAL-TIME MEASUREMENT

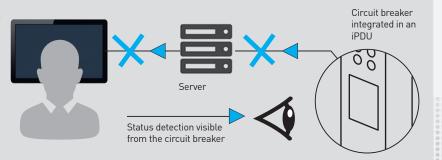
Legrand PDUs are certified to have +/- 1% measurement accuracy with all types of load in real time, so you can be sure that your PDU is supplying the necessary information as and when needed.

With Legrand's Metered and Switched PDUs, a billing-grade energy metering chip is dedicated to the Inlet power supply module and provides extremely accurate KWH data for each tap-off circuit.

## CIRCUIT BREAKER INTELLIGENCE AND BRANCH CIRCUIT MONITORING

If a server power supply fails, your energy management system in the electrical panel will not detect this condition, only detection of the circuit breaker trip status will keep you informed in real time!

T



#### MONITORING CURRENT AND VOLTAGE AT THE CIRCUIT BREAKER LEVEL

Legrand iPDUs are equipped with standard Circuit breaker status monitoring and branch circuit metering (on 32A models), providing critical loadbalancing and circuit load information per phase.

This allows you to be alerted in time and avoid circuit overloads.

#### CIRCUIT OVERLOAD ALARM

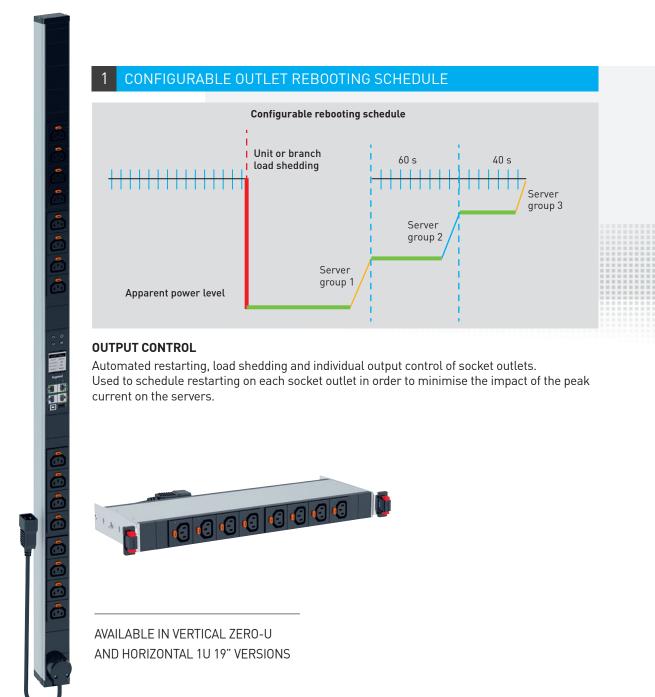
Alarms defined by the user warn the IT managers and data centers of potential circuit overloads so as to prevent accidental loss of power to critical equipment. They can also be used to activate configurable alerts when a measurement is exceeded or when a circuit breaker drops. You are directly informed of the loss of power and can react quickly, preventing overloads on other circuits.



# SWITCHED iPDUs METERING & CONTROL

## EASIER POWER MANAGEMENT

Legrand iPDUs also integrate input metering and output level switching, providing granular power switching of each device connected to the iPDU, and making it easier to manage IT installations remotely, while helping to improve availability.



## 2 CIRCUIT BREAKER INTELLIGENCE

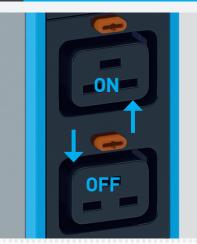


#### MAGNETIC-HYDRAULIC CIRCUIT BREAKER

Above 16 Amps, Legrand iPDUs have rugged circuit breakers with delayed tripping curve, guaranteeing maximum flexibility and safety of people and equipment.

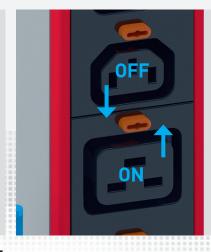
The circuit breakers are monitored by the embedded firmware and issue configurable alerts in the event of an overload or unwanted tripping.

## 3 REMOTE SOCKET OUTLET MANAGEMENT



## CONFIGURABLE CIRCUIT MANAGEMENT

Option of remotely switching sockets between one another and activating or deactivating individual sockets in real time on the network and managing the power sequencing of your device.



The use of switched models allows users to deactivate unavailable sockets remotely and avoid overloading the circuits by plugging in additional devices.

## PROTECTION AGAINST UNCONTROLLED CONNECTIONS



#### **REMOTE SOCKET MANAGEMENT**

Remote socket management prevents human errors and can check that devices are only plugged in on available circuits, thus preventing overloads.

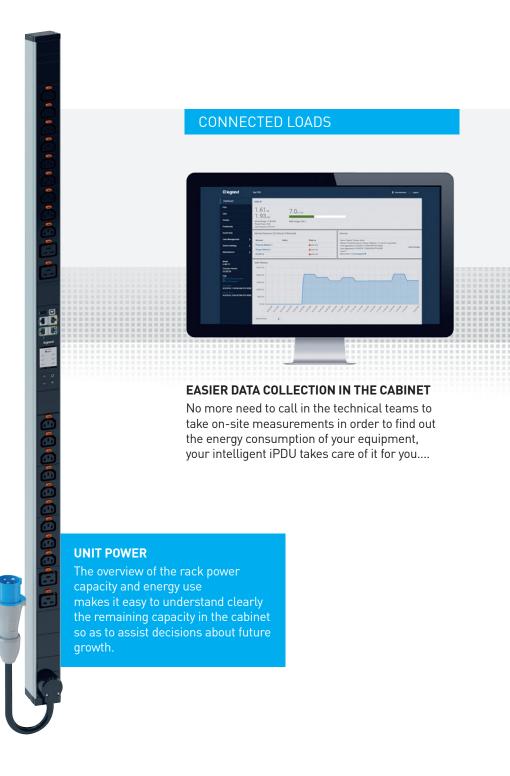


# METERED iPDUs ENERGY METERING

## SEE ALL CONSUMPTION AT A GLANCE

Legrand iPDUs incorporate input metering, allowing accurate measurement of the unit's energy consumption, making it easy to understand power and manage data center growth.





#### EASIER ACCESS CONTROL AND **ENVIRONMENTAL MONITORING**

## **METERED &** SWITCHED WITH RARITAN PERIPHERALS

By incorporating the Raritan technology platform, Legrand iPDUs benefit from the whole range of **SmartLock**<sup>™</sup> electronic door handles, and **SmartSensor**<sup>™</sup> environmental monitoring products. These plug and play peripherals make it easy to oversee the whole installation directly from your iPDU!

SmartSensor<sup>™</sup> includes: temperature, humidity and contact closure sensors.

SmartLock<sup>™</sup> includes: simple electronic handles, plus 125 kHz and 13.56 MHz card reader handles.



ACCESSORIES



# **ACCESSORIES** FOR PROTECTION

## ENHANCED SAFETY AND CONTROL

Compatible with all the PDUs in the Legrand range, the complementary accessories allow you to control the socket power supply and protect against overvoltages.



## SOCKET LOCKING CAP



## CONTROLLING ACCESS TO THE POWER SUPPLY

The locking cap can be used to lock access to a socket. A special key is required to unlock it.





Locking caps are available for the following socket standards: C13, C19, German, French-Belgian, British.



## 2 SURGE PROTECTIVE DEVICE



#### MODULAR SURGE PROTECTION

The surge protection module protects equipment against overvoltages and incorporates hot swap technology. It can be used to replace a used module without interrupting the power supply to the other equipment connected to the PDU. This is an essential accessory for business servers which need continuous protection. The module is equipped with a warning LED which indicates when it needs replacing.

#### 🧭 EXCLUSIVE TO LEGRAND





# **SERVICES** TAILORED TO YOUR PROJECTS

## MODULARITY AND RESPONSIVENESS

**OFFERING** Legrand has leveraged its expertise to develop its new range of PDUs designed to function at the heart of your installations. Available in 2 formats - standard and configure-to-order products - the versatility of our range offers you greater flexibility and responsiveness.



#### STANDARD CONFIGURATIONS



**READY-TO-USE** Standard PDU ranges for fixed configurations which meet the most common requirements.

**CATALOGUE NUMBERS** Find all the catalogue numbers in the e-catalogue available at legrand.com



## SPECIALLY DESIGNED FOR SPECIFIC APPLICATIONS

## PDUs CONFIGURE TO ORDER AS REQUIRED

Our PDUs are designed to ensure flexibility of use and to meet the needs of specialists. Whether you need more sockets or a higher power rating, specific protection or whether you wish to apply colour-coded identification to accentuate the redundant power supply, PDUs can do whatever you need.

#### CHOICE OF CONFIGURATIONS CHOICE OF SOCKET STANDARDS PROTECTION PLUG . 🗆 🔒 CL13 CL19 German French-Belgian Hydro-Magnetic Circuit breaker Circuit breaker holder holder with circuit breaker cover British Nema Swiss Swiss S20 T13 T23 N/ 16/32 A single-phase Thermal circuit Fuse Surge and Italian Chinese SP 16/32 A three-phase overvoltage breaker protective device **ACCESSORIES CABLE ENTRIES EXAMPLES OF CONFIGURATION** 8.8.8 Ammeter Cable With cable With cable entry only only and plug Load indicator Illuminated switch Cable gland Rotating cable **GREATER** QUOTE **RESPONSIVENESS** FROM RECEIPT OF **FOR ALL YOUR ORDER\*** ROUND **CONFIGURE-TO-**\* WHEN ORDERING UP TO 100 PRODUCTS FOR BASIC PDUs **ORDER PROJECTS**

SELECTION CHART

3

# A COMPREHENSIVE RANGE FOR NETWORK PROFESSIONALS

AMMETER PDUs					
Socket Number standard of sockets		Casing	Max. power	Cable length	Cat. Nos.
	6				646843
	0	1U 19" aluminium	uminium 3.7 kW		646844
	7 (6 C13 + 1 C19)			cordless	646845
IEC60320	24 (20 C13 + 4 C19)	Zero-U aluminium	7.4 kW		646865
	24 (18 C13 + 6 C19)	Zero-O atuminium	11 kW	3 m	646875
French/ Belgian	6	1U 19" aluminium	3.7 kW	3 m	646840
German	6	1U 19" aluminium	3.7 kW	3 m	646841
Italian	6	1U 19" aluminium	3.7 kW	3 m	646842

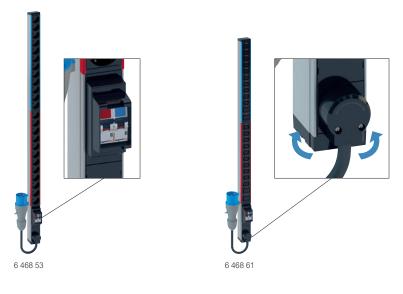
METERED PDUs					
Socket standard	Number of sockets	Casing	Max. power	Cable length	Cat. Nos.
	12	1U 19" aluminium	3.7 kW		646010
	16 (12 C13 + 4 C19)	2U 19" aluminium	7.4 kW		646011
	22 (18 C13 + 4 C19)	7	3.7 kW		646012
	24 (20 C13+4 C19)	Zero-U aluminium	7.4 kW	3 m	646016
IEC60320	42 (36 C13 + 6 C19)		7.4 kW		646013
	42 (36 C13 + 6 C19)	Zero-U HD aluminium	11 kW		646014
	48 (36 C13 + 12 C19)		22 kW		646015

SWITCHED PDUs					
Socket standard	Number of sockets	Casing	Max. power	Cable length	Cat. Nos.
	8	1U 19" aluminium	3.7 kW		646020
	16	2U 19" aluminium	7.4 kW		646021
	24 (21 C13 + 3 C19)	Zero-U aluminium	3.7 kW	2	646022
			7.4 kW	3 m	646023
IEC60320			Zero-O atuminium	11 kW	
	16		2.3 kW		646025

		BASIC	PDUs		
Socket standard	Number of sockets	Casing	Max. power	Cable length	Cat. Nos.
	6			cordless	646807
	10	1U 19" aluminium	3.7 kW	cordless	646814
	12			- 3 m	646815
	24	Zero-U aluminium	7.4 kW		646857
	0 (/ 010 - 0.010)	111.10" - 1	0.71.14/	cordless	646856
IEC60320	8 (6 C13 + 2 C19)	1U 19" aluminium	3.7 kW 7.4 kW	3 m	646809 646861
	24 (20 C13 + 4 C19)	Zero-U aluminium	7.4 kW	cordless	646860
	24 (18 C13 + 6 C19)		11 kW	3 m	646870
	4	1U 10" aluminium		1 m	646800
					646805
					646830
	6				
			3.7 kW		646833
		1U 19" aluminium		3 m	646835
	8			5111	646822
French/Belgian					646810
	9				646811
					646820
			7.4 kW	-	646851
	24	Zero-U aluminium		cordless	646850
	4	1U 10" aluminium		1 m	646801
					646806
	6				646831
$\overline{ \cdot \cdot }$					646836
	8	1U 19" aluminium	3.7 kW		646823
German					3 m
	9				646821
		2U 19" aluminium			646832
				-	646853
	24	Zero-U aluminium	7.4 kW	cordless	646852
				cordless	
	6	1U 19" aluminium	3 kW	3 m	646824
	8				646813
English	24	Zero-U aluminium	7.4 kW	cordless	646854
Italian	24	24 Zero-U aluminium		3 m	646859
	12 (T13)	111 10" - 1 1	0.71.14	0	646818
Swiss		1U 19" aluminium	3.7 kW	3 m	

## Legrand cabling system LCS<sup>3</sup> Energy Distribution

single phase Zero-U Basic Power Distribution Units (PDU)



To provide ∿ electric power for IT equipment in 19" enclosures Single phase Zero-U PDUs for vertical mounting in the cabinet 230 V - 50/60 Hz power supply PDUs with 2 circuits protected by 16 A uni + neutral MCB in a support with projecting edges to avoid accidental breakdown. Each circuit is identified by color coding. The total number of outlets is distributed equally between the 2 circuits. 2P+E outlets: C13 and C19 standard outlets, French/German/British standards outlets equipped with blanks, French/German standards outlets inclined at 55° 330° rotating cable input for a perfect orientation of the cable and no interference in the cabinet C13 and C19 standard outlets are equipped with cord locking system to avoid any accidental disconnection. Universal solution compatible with all the cords (C14 plugs for C13 and C20 plugs for C19) Delivered with 2 sets of metallic mounting brackets: button brackets (for quick fixing and variable pitch) and standard brackets (for screw fixing) Black modules (outlets and functions) Aluminium profile

Aluminium profile

Pack	Cat.Nos	PDU Basic	Pack	Cat.Nos	PDU Basic with ammeter
1 1		German standard 24 outlets Connection on terminal block up to 6 mm <sup>2</sup> 24 outlets			Measure consumption to provide better installation management: balancing circuits, displaying available capacity, preventing overloads and power failures
		3 m power supply cord with IEC 60309 32 A 2P+E plug			1 ammeter per circuit Rotating display to ensure a perfect reading
1	6 468 54	British standard 24 outlets Connection on terminal block up to 6 mm <sup>2</sup>			vertical with top or bottom power supply input)
		French standard	1	SYSTEM	<b>IEC 60320 standard</b> 20 C13 outlets + 4 C19 outlets with cord locking
1	6 468 50	24 outlets Connection on terminal block up to 6 mm <sup>2</sup>	I	0 400 00	system. Connection on terminal block up to 6 mm <sup>2</sup>
1	6 468 51	24 outlets 3 m power supply cord with IEC 60309 32 A 2P+E plug			
1	6 468 59	<b>Italian standard</b> 24 outlets			
	CORD	3 m power supply cord with IEC 60309 32 A 2P+E plug			
	CORD LOCKING SYSTEM				
1	6 468 56	24 C13 outlets with cord locking system			
1	6 468 57	Connection on terminal block up to 6 mm <sup>2</sup> 24 C13 outlets with cord locking system			
1		3 m power supply cord with IEC 60309 32 A 2P+E plug 20 C13 outlets + 4 C19 outlets with cord locking			
		system. Connection on terminal block up to 6 mm2			
1	6 468 61	20 C13 outlets + 4 C19 outlets with cord locking system. 3 m power supply cord with IEC 60309 32 A 2P+E plug			

## Legrand cabling system LCS<sup>3</sup> Energy Distribution - three phases Zero-U Basic PDUs



To provide  $\sim$  electric power for IT equipment in 19" enclosures Three phases Zero-U PDUs for vertical mounting in the cabinet 400 V - 50/60 Hz power supply Each circuit is protected by 16 A single pole MCB in a support with

Each circuit is protected by 16 A single pole MCB in a support with projecting edges to avoid accidental breakdown. 1 circuit per phase, each with 6 IEC 60320 C13 outlets and 2 IEC 60320 C19 outlets 330° rotating cable input for a perfect orientation of the cable and no interference in the cabinet

C13 and C19 standard outlets are equipped with cord locking system to avoid any accidental disconnection. Universal solution compatible with all the cords (C14 plugs for C13 and C20 plugs for C19) Delivered with 2 sets of metallic mounting brackets: button brackets (for

quick fixing and variable pitch) and standard brackets (for screw fixing) Black modules (outlets and functions) Aluminium profile

#### Pack Cat.Nos PDU Basic

CORD

1

1

## CORD

#### **IEC 60320 standard** 6 468 70 18 C13 outlets + 6 C1

18 C13 outlets + 6 C19 outlets with cord locking system. 3 m power supply cord with IEC 60309 16 A 3P+N+E plug

#### **PDU Basic with ammeter**

Measure consumption to provide better installation management: balancing circuits, displaying available capacity, preventing overloads and power failures

1 ammeter per circuit

Rotating display to ensure a perfect reading whatever the PDU mounting direction is (horizontal,

vertical with top or bottom power supply input)

#### **SYSTEM** IEC 60320 standard 6 468 75 18 C13 outlets + 6 C1

18 C13 outlets + 6 C19 outlets with cord locking system. 3 m power supply cord with IEC 60309 16 A 3P+N+E plug

## CORD LOCKING SYSTEM

## Innovation at the heart of PDUs to prevent accidental disconnection

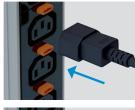
A major addition to the range and exclusive to Legrand, C13 and C19 outlets have a power supply cord locking system which prevents accidental disconnection and guarantees absolute safety!



An innovative technical solution: very easy to identify thanks to the orange buttons next to each outlet



A universal system: takes all cords for standard C13 and C19 outlets



CONNECTION



AUTO LOCKING

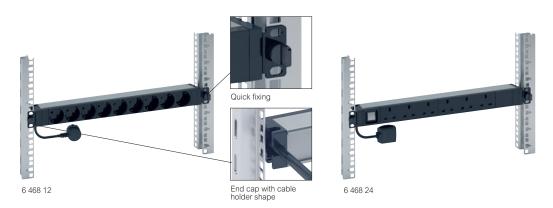


UNLOCKING

## **C**legrand

## Legrand cabling system LCS<sup>3</sup> Energy Distribution

Horizontal (1U/2U) Basic Power Distribution Units (PDU)



To provide ∼ electric power for IT equipment in enclosure. 230 V - 50/60 Hz power supply. 1U aluminium profile. End cap with metallic brackets and cable holder shape. Quick fixing (no screws) on 19" fixing centers. Can also be installed vertically by reverting the brackets (no screws) 2P+E outlets: - C13 and C19 standard outlets are equipped with cord locking system to avoid any accidental disconnection. Universal solution compatible with all the cords (C14 plugs for C13 and C20 plugs for C19). - French, German and British standard outlets are equipped with blanks - French and German standard outlets are inclined at 55° Black modules (outlets and functions)

Black modules	(outlets and functions)	

Pack	Cat.Nos	19" - PDU Basic
1 1		German standard 3 m power supply cord with 16 A 2P+E French/ German plug 6 outlets 9 outlets
1	6 468 13	British standard 3 m power supply cord with 13 A 2P+E British plug 8 outlets
1 1 1	6 468 10	French standard 3 m power supply cord with 16 A 2P+E French/ German plug 6 outlets 9 outlets 9 tamperproof red outlets
1 1	6 468 18 6 468 19	
1 1 1	6 468 14 6 468 15 6 468 09	IEC 60320 standard Connection on terminal block (except Cat.No 6 468 15) 10 C13 outlets with cord locking system 12 C13 outlets with cord locking system 3 m power supply cord with 16 A IEC 60309 2P+E 6 C13 outlets + 2 C19 outlets with cord locking system 6 C10 outlets with cord locking system
1	040007	6 C19 outlets with cord locking system 10" - PDU Basic
1 1		1 m power supply cord 2P+E French/German plug 4 x 2P+E outlets German standard French standard

Pack	Cat.Nos	19" - PDU Basic with power indicator or luminous switch
		LED indicator: signals whether the PDU is supplied with power or not LED indicator switch: powers on/off the PDU
1 1		German standard 3 m power supply cord with 16 A 2P+E French/ German plug 9 outlets and 1 power indicator 8 outlets and 1 luminous switch
1	6 468 24	<b>British standard</b> 3 m power supply cord with 13 A 2P+E British plug 6 outlets and 1 luminous switch
1 1		French standard 3 m power supply cord with 16 A 2P+E French/ German plug 9 outlets and 1 power indicator 8 outlets and 1 luminous switch

## Legrand cabling system LCS<sup>3</sup> Energy Distribution 1U Basic Power Distribution Units (PDU)



6 468 36

To provide 
 v electric power for IT equipment in enclosures. 230 V - 50/60 Hz power supply. 1U aluminium profile. End cap with metallic brackets and cable holder shape. Quick fixing (no screws) on 19" fixing centers. Can also be installed vertically by reverting the brackets (no screws) 2P+E outlets:
 - C13 and C19 standard outlets are equipped with cord locking system to avoid any accidental disconnection. Universal solution compatible with all the cords (C14 plugs for C13 and C20 plugs for C19).
 - French, German and British standard outlets are equipped with blanks
 - French and German standard outlets are inclined at 55°
Black modules (outlets and functions)

Pack	Cat.Nos	19" - Basic PDU with protection devices
		MCB and RCBO support with projecting edges to avoid accidental breakdown 3 m power supply cord with 16 A 2P+E French/ German plug
1 1	6 468 31 6 468 32	
1 1		<b>French standard</b> 6 outlets and a 16 A single pole Micro Circuit Breaker 6 outlets and a 16 A 30 mA Residual-current Circuit
		19" - Basic PDU with surge protection
		Protect against mains overvoltages while keeping outlets energised With light indicators: - one LED (white) gives information whether the PDU is supplied with power or not - one LED (green) indicates when surge protection module is efficient or must be replaced Equipped with hotswappable surge protection module Cat.No 6 468 97: even when the module is being replaced, the PDU and its outlets are still powered on With switch
1 1		3 m power supply cord with 16 A 2P+E French/ German plug 6 outlets - German standard 6 outlets - French standard

Pack	Cat.Nos	19" - Basic PDU with ammeter
		Measure consumption to provide better installation management: balancing circuits, displaying available capacity, preventing overloads and power failures Measure total PDU current Rotating display to ensure a perfect reading whatever the PDU mounting direction is (horizontal, vertical with top or bottom power supply input)
		German standard
1	6 468 41	3 m power supply cord with 16 A 2P+E French/ German plug 6 outlets
1	6 468 40	French standard 3 m power supply cord with 2P+E French/German plug 6 outlets
1	6 468 42	Italian standard 6 outlets
1 1 1	6 468 45	IEC 60320 standard With integrated universal plug locking system Connection on terminal block 6 C13 outlets with cord locking system 6 C13 outlets + 1 C19 outlet with cord locking system 6 C19 outlets with cord locking system

## Legrand cabling system LCS<sup>3</sup> Energy Distribution

Intelligent metered and switched PDUs



Power distribution units with metering at inlet level and circuit breaker level Possibility of environmental monitoring through one of the optional external sensors (temperature, humidity...)

Pack	Cat.Nos	19" - intelligent metered PDUs
1	6 460 10 6 460 11	plug
1 1	<b>N</b> <b>CORD</b> <b>SYSTEM</b> 6 460 20 6 460 21	3 m power supply cord with C14 10/16 A 2P+E plug
		Vertical Zero-U - intelligent metered PDUs
1	6 460 12	cord with IEC60309 16 A 2P+E plug
1	6 460 13 6 460 14	cord with IEC60309 32 A 2P+E plug
1 1	6 460 15 6 460 16	30 C13 and 12 C19 outlets, with 3 m power supply cord with 3 phase IEC60309 32 A 3P+N+E plug

sensors (te	ensors (temperature, humidity)									
Pack	Cat.Nos	Vertical Zero-U - intelligent metered and switched PDUs								
1	<b>SYSTEM</b> 6 460 25	IEC 60320 standard								
I	0 400 20	16 C13 outlets with cord locking system. 3 m power supply cord with C14 10 A 2P+E plug								
1	6 460 22	21 C13 outlets and 3 C19 outlets with cord locking								
		system. 3 m power supply cord with IEC 60320 16 A 2P+E								
1	6 460 23									
		system. 3 m power supply cord with IEC 60320 32 A 2P+E								
		plug								
1	6 460 24	21 Č13 outlets and 3 C19 outlets with cord locking								
		system. 3 m power supply cord with IEC 60309 16 Å								
		3P+N+E plug								
		Sensors for metered PDU accessories								
1	6 460 00	Temperature sensor								
1		Temperature / humidity sensor								
1	6 460 02	Dual contact closure sensor								

## Legrand cabling system LCS<sup>3</sup> Energy Distribution PDUs





6 468 90

0 465 46 + 0 465 47

Pack	Cat.Nos	PDU to be equipped
		For self assembly with M

1 don	041.1400	
1 1		For self assembly with Mosaic wiring device modules Quick fixing (no screws) on 19" uprights Aluminium profile PDU 19" Capacity: 16 Mosaic modules PDU 10" Capacity: 8 Mosaic modules
		PDU accessories
1 1 1 1	6 468 94	Locking caps To block the use of an outlet. A key is necessary to remove the cap and free the access Light grey Set of 6 locking caps for French, Italian and German standard outlet + 1 key Set of 6 locking caps for British standard outlet + 1 key Set of 6 locking caps for C13 standard outlet + 1 key Set of 6 locking caps for C19 standard outlet + 1 key
1	6 468 97	Surge protection module To replace used module on PDU With light indicators: - one LED (white): signals whether the PDU is supplied with power or not - one LED (green/red) indicates when surge protection module is active or must be replaced Hotswappable surge protection module: even when the module is being replaced, the PDU and its outlets are still powered on Surge protection replacement module

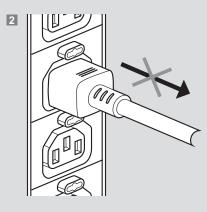
	Pack	Cat.Nos	Multi-applications DIN rail
19	1	0 465 46	For mounting modular devices (circuit breakers, Legrand multimedia network components, etc) Capacity: 24 modules Height 4 U Screw fixing on 19" uprights DIN profile rail with front panel Supplied with blanking plates 24 modules Black RAL 9005
еу	1	0 465 47	Rear cover To be used for high current applications (greater than 50 V) To be associated with DIN profile rail Cat.No 0 465 46 Ensures IP XXB Supplied with terminal block (8 + 1 connections)

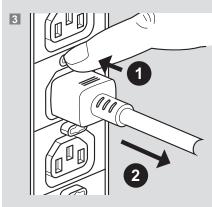
## L<sup>1</sup> legrand

## **Energy distribution**

cord locking system

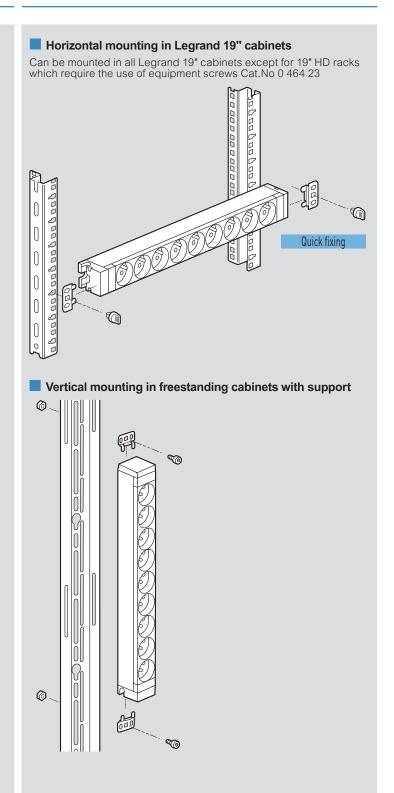
# Cord locking system Image: A system of the sys





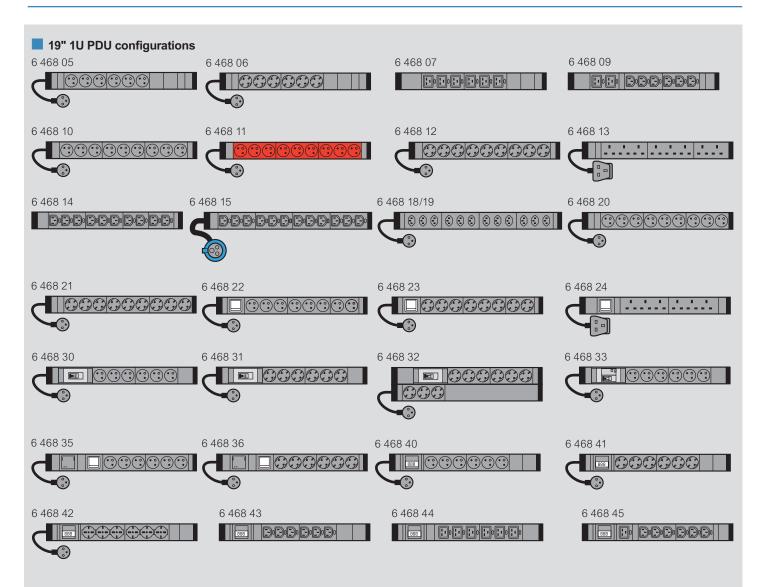
## Energy distribution

## 19" 1U PDU mounting



## **Energy distribution**

#### 19" 1U PDU mounting



#### 10" 1U PDU configurations

6 468 00



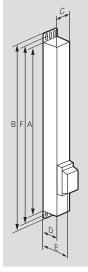


## **C**legrand

## **Energy distribution** Zero-U PDU

		nfiguratio										
6 468 50	6 468 51	6 468 52	6 468 53	6 468 54	6 468 56	6 468 57	6 468 59	6 468 60	6 468 61	6 468 65	6 468 70	6 468 75
		🔿 📗 🔚 📗 ସେହେଟେ ହେହେଟେ ହେହେଟେ ହେହେଟେ ହେହେଟେ ହେହେଟେ ହେହେଟେ ହେହେଟେ	E									

## Zero-U PDU sizes (mm)

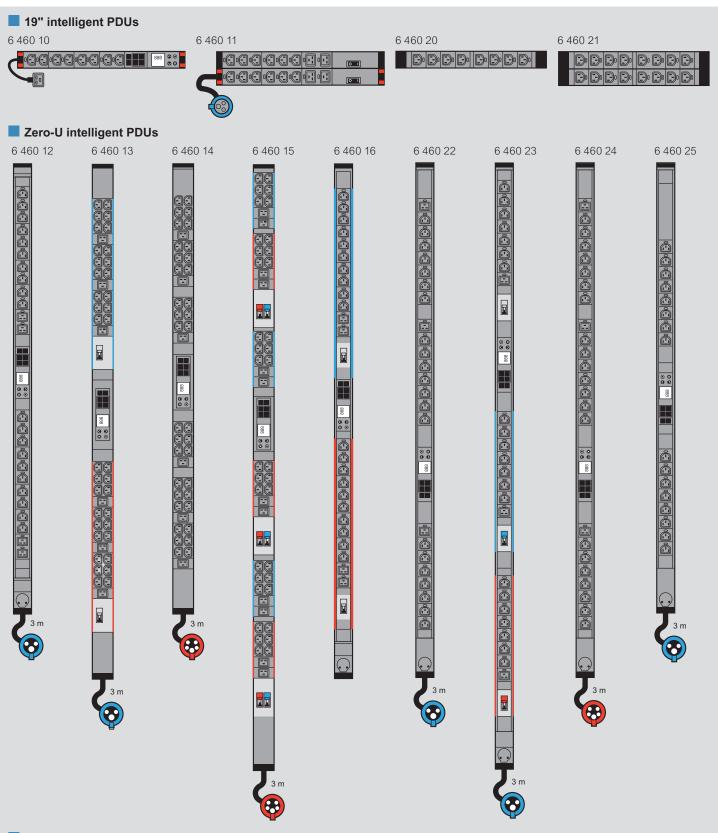


Cat.Nos	Height		Width	De	oth Fixing (mir		centres ·maxi)
	Α	B <sup>(1)</sup>	С	D	E <sup>(2)</sup>	F	(1)
6 468 50	1247	1291	52	52.5	87	1259	1279
6 468 51	1247	1291	52	52.5	87	1259	1279
6 468 52	1247	1291	52	52.5	87	1259	1279
6 468 53	1247	1291	52	52.5	87	1259	1279
6 468 54	1463	1507	52	52.5	87	1475	1495
6 468 56	1031	1075	52	52.5	87	1043	1063
6 468 57	1031	1075	52	52.5	87	1043	1063
6 468 59	1319	1363	52	52.5	87	1331	1351
6 468 60	1067	1111	52	52.5	87	1079	1099
6 468 61	1067	1111	52	52.5	87	1079	1099
6 468 65	1157	1201	52	52.5	87	1169	1189
6 468 70	1340	1384	52	52.5	87	1352	1372
6 468 75	1475	1519	52	52.5	87	1487	1507

1 : Overall height with standard brackets (so 2 : Overall depth at the circuit breaker slot w fixing)

## Energy distribution

19" and Zero-U Intelligent PDUs



#### Zero-U intelligent PDUs sizes (mm)

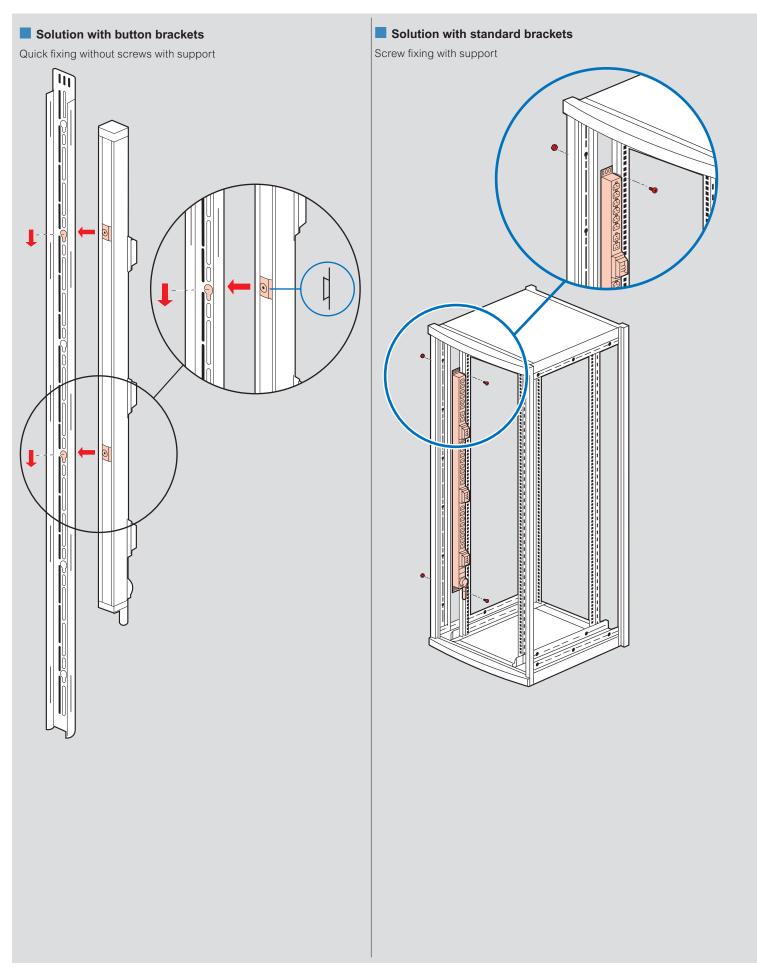
Cat.Nos	Height		Width	Depth		Fixing centres (mini-maxi)	
	Α	B <sup>(1)</sup>	С	D	E <sup>(2)</sup>	F	(1)
6 460 12	1298	1342	52	52.5	-	1310	1330
6 460 13	1539	1583	59	52.5	68	1551	1571
6 460 14	1298	1342	59	52.5	-	1310	1330
6 460 15	1780	1824	59	52.5	68	1792	1812
6 460 16	1475	1519	52	52.5	68	1487	1507

Cat.Nos	Height		Width	Depth		Fixing centres (mini-maxi)	
	Α	B <sup>(1)</sup>	С	D	E <sup>(2)</sup>	F	(1)
6 460 22	1539	1583	52	52.5	-	1551	1571
6 460 23	1780	1824	52	52.5	68	1792	1812
6 460 24	1539	1583	52	52.5	-	1551	1571
6 460 25	1298	1342	52	52.5	-	1310	1330

1 : Overall height with standard brackets (screw fixing) / 2 : Overall depth at the circuit breaker slot

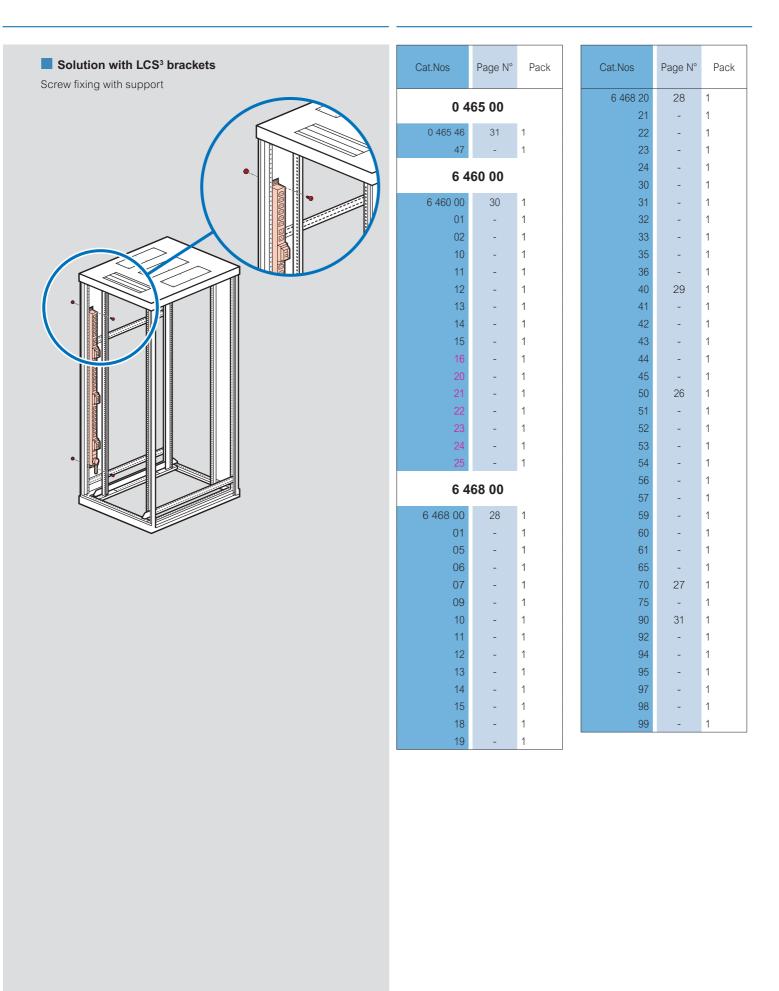
## **Energy distribution**

Zero-U PDU mounting in LCS<sup>3</sup> cabinets





## Catalogue number index



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