



POWER DISTRIBUTION UNIT **(PDU)**

Accessories - (PDU) Entry-Level

Description

PDU's are critical devices that ensure reliable distribution of power to the output sockets for low and medium-voltage equipment installed in a rack cabinet. A PDU simplifies the electrical connection of multiple devices when implementing Data Centers, Network Infrastructures, Datacomm, Audio Visual or other applications.



309139 - 309144



309140 - 309147



309145



309146

Dimensions

P/N	309139	309140	309145	309147	309146	309144
Rack unit	1U	1U	1U	0U	1U	1U
Fixing	19"	19"	19"	Vertical	19"	19"
Dimensions (W)x(D)x(H)	(19") 482.6x45x45 mm	(19") 482.6x45x45 mm	(19") 482.6x45x45 mm	(19") 728.3x45x45 mm	(19") 482.6x45x45 mm	(19") 482.6x45x45 mm
Case	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Color	Black	Black	Black	Black	Black	Black

Technical Specifications

P/N	309139	309140	309145	309147	309146	309144
Socket type	(8) Universal Schuko 45°	(6) Universal Schuko 45°	(6) Universal Schuko 45°	(12) Universal Schuko 45°	(8) IEC320 C13	(8) Universal Schuko 45°
Nominal tension	250VAC 50/60Hz	250VAC 50/60Hz	250VAC 50/60Hz	250VAC 50/60Hz	250VAC 50/60Hz	250VAC 50/60Hz
Rated current	16A	16A	16A	16A	16A	16A
Plug	Schuko	Schuko	Italian	Schuko	Schuko	IEC320 C14
Power cable	H05VV-F3G x 1.5 mm 2 x 2m	H05VV-F3G x 1.5 mm 2 x 2m	H05VV-F3G x 1.5 mm 2 x 2m	H05VV-F3G x 1.5 mm 2 x 2m	H05VV-F3G x 1.5 mm 2 x 2m	H05VV-F3G x 1.5 mm 2 x 2m
Power	4000W	4000W	4000W	4000W	4000W	4000W
Switch	ON/OFF with light	Magneto-thermal	ON / OFF bright	Magneto-thermal	ON / OFF bright	ON / OFF bright
Operating temperature	-10°C to 45°C	-10°C to 45°C	-10°C to 45°C	-10°C to 45°C	-10°C to 45°C	-10°C to 45°C
Compliance	RoHS 2 2011/65/EU	RoHS 2 2011/65/EU	RoHS 2 2011/65/EU	RoHS 2 2011/65/EU	RoHS 2 2011/65/EU	RoHS 2 2011/65/EU
Compliance	CE	CE	CE	CE	CE	CE
Warranty	2 years	2 years	2 years	2 years	2 years	2 years



Compatibility: Network - Server - Élite - Office - Office Small - Industrial IP55 - Industrial IP65

Power Distribution Units (PDU) Basic

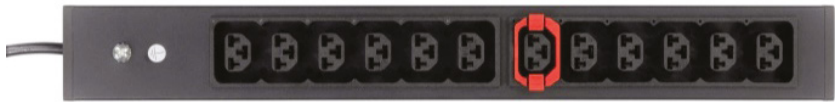


Technical Features

Basic PDU's is the entry Series of ITRack's Power Distribution Units offering simple and most cost-effective solutions. They are available in various inputs and outputs, Schuko CEE 7/3, IEC C13, IEC C19, UK BS1363, and French UTE; 16 A to 63 A; 1 or 3 phase; from 3 to 45 kW power capacity. Two mounting options available, horizontal or vertical. Compliant with all current European and International standards.

P/N	Total number of Outlets	Type of Socket					Current Rating	Phase	Voltage		Power Capacity kW	Special Features	Display	Input Plug	Input Power Cord Length	Mounting	
		C13	Schuko	IEC C19	UK BS1363	Combined C13-C19			Input	Output						Horizontal	Vertical
309350	6	--	6	--	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW	None	NO Display	Schuko	3 m	X	X
309351	8	--	8	--	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			Schuko		X	X
309352	9	--	9	--	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			Schuko		X	X
309353	12	--	12	--	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			Schuko		--	X
309355	12	10	--	2	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC C20		X	X
309356	12	12	--	--	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC C20		X	X
309357	24	20	--	4	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC C20		--	X
309306	24	20	--	4	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC 60309		--	X
309358	24	20	--	4	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X
309359	36	30	--	6	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC 60309		--	X
309360	30	24	--	6	--	--	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			IEC 60309		--	X
309361	36	30	--	6	--	--	32 A	1 Φ	230 V ac	230 V ac	22.1 kW			IEC 60309		--	X
309362	36	30	--	6	--	--	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			IEC 60309		--	X
309363	42	36	--	6	--	--	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			IEC 60309		--	X

Power Distribution Units (PDU) Hybrid Basic



Technical Features

Hybrid Basic PDU's Series is featuring the unique Hybrid C13-C19 output plugs in various configurations of 24, 36 or 42 plugs, 16 or 32 A and 1 or 3 phase; from 3 to 45 kW power capacity. Available for vertical mounting they are the ideal solution for environments where there's a mix of equipment with C13 and C19 plugs thus there is not need to have PDUs of different types taking up space. Compliant with all current European and International standards.

P/N	Total number of Outlets	Type of Socket					Current Rating	Phase	Voltage		Power Capacity kW	Special Features	Display	Input Plug	Input Power Cord Length	Mounting	
		C13	Schuko	IEC C19	UK BS1363	Combined C13-C19			Input	Output						Horizontal	Vertical
309354	11	--	--	--	--	11	16 A	1 Φ	230 V ac	230 V ac	3.68 kW	Hybrid C13/ C19 with locking features	NO Display	IEC 60309	3 m	X	--
309364	24	--	--	--	--	24	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			16 A commando		X	--
309365	24	--	--	--	--	24	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			32 A commando		X	--
309366	36	--	--	--	--	36	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			32 A commando		X	--
309367	24	--	--	--	--	24	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			32 A commando		X	--
309368	24	--	--	--	--	24	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			32 A commando		X	--
309369	42	--	--	--	--	42	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			32 A commando		X	--

Power Distribution Units (PDU) Locally Monitored



Technical Features

Locally Monitored PDU's Series provide full kWh's, Amps, Volts and Power Factor, all within a single local LED meter. It includes three measuring points so to show the Power across the PDU and at each breaker. In addition, it measures the total power used by the PDU in kWh's (thus allowing monthly comparisons). With its unique functionality this family of PDU's is an Industry first.

P/N	Total number of Outlets	Type of Socket					Current Rating	Phase	Voltage		Power Capacity kW	Special Features	Display	Input Plug	Input Power Cord Length	Mounting	
		C13	Schuko	IEC C19	UK BS1363	Combined C13-C19			Input	Output						Horizontal	Vertical
309370	24	20	--	4	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW	None	Local Am-meter	IEC 60309	3 m	--	X
309371	24	20	--	4	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X
309372	42	36	--	6	--	--	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			IEC 60309		--	X
309373	12	12	--	0	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC 60309		X	X
309374	12	12	--	0	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		X	X

Power Distribution Units (PDU) IP Metered



Technical Features

IP Metered PDU's Series offers full IP Power Monitoring. Local LCD or OLED screen allows you to see detailed power analytics and alarms plus remote IP Power Monitoring over the network. Full analytics such as kWh, Power Factor, Real and Apparent Power are easily available, for the overall unit and at each per-branch circuit. Units can support environmental sensors for temperature/humidity, leak detection and door contacts. Information can be shared with 3rd party programs using TCP/IP, Modbus IP or serial communications. IP Metered PDU's allow the addition of environmental sensors to gather temperature and humidity information around the PDU.

P/N	Total number of Outlets	Type of Socket					Current Rating	Phase	Voltage		Power Capacity kW	Special Features	Display	Input Plug	Input Power Cord Length	Mounting	
		C13	Schuko	IEC C19	UK BS1363	Combined C13-C19			Input	Output						Horizontal	Vertical
309375	12	8	--	4	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW	Aggregate Metering	IP LCD Display	IEC C20	3 m	X	--
309376	16	12	--	4	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC C20		X	--
309377	24	21	--	3	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC 60309		--	X
309378	24	21	--	3	--	--	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			IEC 60309		--	X
309379	24	21	--	3	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X
309380	24	21	--	3	--	--	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			IEC 60309		--	X
309381	36	30	--	6	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC 60309		--	X
309382	36	30	--	6	--	--	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			IEC 60309		--	X
309383	36	30	--	6	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X
309384	36	30	--	6	--	--	32 A	3 Φ	415 V ac	230 V ac / Phase	7.36 kW			IEC 60309		--	X
309385	42	36	--	6	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X
309386	42	36	--	6	--	--	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			IEC 60309		--	X

Power Distribution Units (PDU) Hybrid IP Metered



Technical Features

Hybrid IP Metered PDU's Series featuring the unique hybrid C13-C19 output plugs offers full IP Power Monitoring. Local LCD or OLED screen allows you to see detailed power analytics and alarms plus remote IP Power Monitoring over the network. Full analytics such as kWh, Power Factor, Real and Apparent Power are easily available, for the overall unit and at each per-branch circuit. Units can support environmental sensors for temperature/humidity, leak detection and door contacts. Information can be shared with 3rd party programs using TCP/IP, Modbus IP or serial communications. IP Metered PDU's allow the addition of environmental sensors to gather temperature and humidity information around the PDU.

P/N	Total number of Outlets	Type of Socket					Current Rating	Phase	Voltage		Power Capacity kW	Special Features	Display	Input Plug	Input Power Cord Length	Mounting	
		C13	Schuko	IEC C19	UK BS1363	Combined C13-C19			Input	Output						Horizontal	Vertical
309387	12	--	--	--	--	12	16 A	1 Φ	230 V ac	230 V ac	3.68 kW	Aggregate Metering non cascading, Hybrid C13/ C19 with locking features	PIM LCD Lite Display	16 A commando	3 m	X	--
309388	24	--	--	--	--	24	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			16 A commando		X	--
309389	24	--	--	--	--	24	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			16 A commando		--	X
309390	24	--	--	--	--	24	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			32 A commando		--	X
309391	24	--	--	--	--	24	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			32 A commando		--	X
309392	24	--	--	--	--	24	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			32 A commando		--	X
309393	36	--	--	--	--	36	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			16 A commando		--	X
309394	36	--	--	--	--	36	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			16 A commando		--	X
309395	36	--	--	--	--	36	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			32 A commando		--	X
309396	36	--	--	--	--	36	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			32 A commando		--	X
309397	42	--	--	--	--	42	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			32 A commando		--	X
309398	42	--	--	--	--	42	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			32 A commando		--	X

Power Distribution Units (PDU) Switched



Technical Features

Switched PDU's Series comes with additional functionality, by adding full power monitoring at each individual outlet port. This allows to get detailed, granular view of the power usage to each server or device. It also allows you to identify the heavy power users in your installation or even eliminate ghost devices such as servers, by monitoring trends overtime.

P/N	Total number of Outlets	Type of Socket					Current Rating	Phase	Voltage		Power Capacity kW	Special Features	Display	Input Plug	Input Power Cord Length	Mounting	
		C13	Schuko	IEC C19	UK BS1363	Combined C13-C19			Input	Output						Horizontal	Vertical
309408	24	21	--	3	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW	Aggregate Metering, Individual Switching.	POS o LED	IEC 60309	3 m	--	X
309409	24	21	--	3	--	--	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			IEC 60309		--	X
309410	24	21	--	3	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X
309411	24	21	--	3	--	--	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			IEC 60309		--	X
309412	30	24	--	6	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC 60309		--	X
309413	30	24	--	6	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X
309414	30	24	--	6	--	--	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			IEC 60309		--	X
309415	30	24	--	6	--	--	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			IEC 60309		--	X
309416	42	36	--	6	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X

Power Distribution Units (PDU) Hybrid Switched



Technical Features

Hybrid Switched PDU's Series is featuring the unique hybrid C13-C19 output plugs in various configurations of 24, 36 or 42, 16 or 32 A and 1 or 3 phase; from 3 to 45 kW power capacity. Available for vertical mounting, they are the ideal solution for environments where there's a mix of equipment with C13 and C19 plugs, thus not need to have PDUs of different types taking up space. Compliant with all current European and International standards.

P/N	Total number of Outlets	Type of Socket					Current Rating	Phase	Voltage		Power Capacity kW	Special Features	Display	Input Plug	Input Power Cord Length	Mounting	
		C13	Schuko	IEC C19	UK BS1363	Combined C13-C19			Input	Output						Horizontal	Vertical
309399	24	--	--	--	--	24	16 A	1 Φ	230 V ac	230 V ac	3.68 kW	Aggregate Metering non cascading, outlet Switching, Hybrid C13/ C19 with locking features	IP LCD Display	16 A commando	3 m	-	X
309400	24	--	--	--	--	24	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			16 A commando		-	X
309401	24	--	--	--	--	24	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			32 A commando		-	X
309402	24	--	--	--	--	24	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			32 A commando		-	X
309403	30	--	--	--	--	30	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			16 A commando		-	X
309404	30	--	--	--	--	30	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			32 A commando		-	X
309405	36	--	--	--	--	36	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			16 A commando		-	X
309406	36	--	--	--	--	36	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			32 A commando		-	X
309407	42	--	--	--	--	42	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			32 A commando		-	X

Power Distribution Units (PDU) Managed



Technical Features

Managed PDU's Series combine both the functionality of Per Outlet Monitoring and Switching thus providing functionality for ultimate control of power usage and servers. It gives detailed data to make decisions and the remote on/off control to act on it. Using standard protocols, such as TCP/IP, Serial and Modbus IP usage data can be used in different applications in an organisation.

Code	Total number of Outlets	Type of Socket					Current Rating	Phase	Voltage		Power Capacity kW	Special Features	Display	Input Plug	Input Power Cord Length	Mounting	
		C13	Schuko	IEC C19	UK BS1363	Combined C13-C19			Input	Output						Horizontal	Vertical
309417	24	21	--	3	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW	Individual Metering Individual Switching	IP LCD Display	IEC 60309	3 m	--	X
309418	24	21	--	3	--	--	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			IEC 60309		--	X
309419	24	21	--	3	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X
309420	24	21	--	3	--	--	32 A	3 Φ	415 V ac	230 V ac / Phase	7.36 kW			IEC 60309		--	X
309421	30	24	--	6	--	--	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			IEC 60309		--	X
309422	30	24	--	6	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X
309423	30	24	--	6	--	--	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			IEC 60309		--	X
309424	30	24	--	6	--	--	32 A	3 Φ	415 V ac	230 V ac / Phase	7.36 kW			IEC 60309		--	X
309425	42	36	--	6	--	--	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			IEC 60309		--	X

Power Distribution Units (PDU) Hybrid Managed



Technical Features

Hybrid Managed PDU's Series combine both the functionality of the Hybrid Outlet and Per Outlet Monitoring and Switching thus providing functionality for ultimate control of power usage and servers. It gives detailed data to make decisions and the remote on/off control to act on it. Using standard protocols, such as TCP/IP, Serial and Modbus IP usage data can be used in different applications in an organisation.

Code	Total number of Outlets	Type of Socket					Current Rating	Phase	Voltage		Power Capacity kW	Special Features	Display	Input Plug	Input Power Cord Length	Mounting	
		C13	Schuko	IEC C19	UK BS1363	Combined C13-C19			Input	Output						Horizontal	Vertical
309426	24	--	--	--	--	24	16 A	1 Φ	230 V ac	230 V ac	3.68 kW	Outlet Metering, Outlet Switching non cascading, Hybrid C13/ C19 with locking features	POMS or LED Display	16 A commando	3 m	-	X
309427	24	--	--	--	--	24	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			16 A commando		-	X
309428	24	--	--	--	--	24	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			32 A commando		-	X
309429	24	--	--	--	--	24	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			32 A commando		-	X
309430	30	--	--	--	--	30	16 A	1 Φ	230 V ac	230 V ac	3.68 kW			16 A commando		-	X
309431	36	--	--	--	--	36	32 A	3 Φ	230 V ac	230 V ac	22.1 kW			32 A commando		-	X
309432	36	--	--	--	--	36	16 A	3 Φ	415 V ac	230 V ac / Phase	11.1 kW			16 A commando		-	X
309433	36	--	--	--	--	36	32 A	3 Φ	415 V ac	230 V ac / Phase	22.1 kW			32 A commando		-	X
309434	42	--	--	--	--	42	32 A	1 Φ	230 V ac	230 V ac	7.36 kW			32 A commando		-	X

EMD Module Temp & Humidity Sensor



Description

Our EMD (Environmental Monitoring Device) is a sensor allowing remote monitoring of temperature and humidity as well as status of the two digital inputs (clean contacts) of the device. The EMD is connected to the sensor port of our Smart-PDU via a UTP cable. Once connected, temperature and humidity information is automatically displayed in the user menu of the Smart-PDU. Same goes for the information of the sensors connected to the two EMD digital inputs.

Magnetic Door Contact Sensor (open/close)



Description

The door-contact sensor is connected to the EMD that can monitor whether a door or window is open or closed thus letting user know if there has been unauthorized access.

Smoke Detector Sensor



Description

The smoke sensor is powered by 110/220VAC and a 9V backup battery. In the event of a power failure, or discharged backup battery the detector is activated.

Water Leak Sensor



Description

The water leak sensor is connected to the EMD. Through the PDU, user can monitor if there is a water leak. In the event of leak, water passes into the line, conductivity increases the intensity of the electric current, and the alarm is triggered automatically.

Vibration Sensor



Description

The vibration sensor is connected to the PDU via the EMD. It is monitoring abnormal vibrations typically caused by forced entry attempts. It is a true closed-circuit alarm system. In the event of considerable forced vibrations caused by a hit on the surface connected to the sensor, it will send an alarm.