Inova Power Distribution Units Overview

Introduction: Who We Are

Listen, Innovate, Sustain

About Us: Inova is an innovative data center solutions provider, delivering reliable and scalable datacenter IT infrastructure. From cabinets and racks, power distribution, to cooling solutions and cable pathways, our comprehensive offerings ensure seamless data center operations.

Our Mission: At Inova, our mission is to revolutionize the data center landscape by providing cutting-edge, reliable, and scalable equipment solutions. Through our dedication to excellence, sustainability, and customer collaboration, we aim to be at the forefront of technological advancements, driving the industry towards new horizons and enabling our customers to achieve unprecedented success in their endeavors.

Xsmart Series

The Xsmart Series provides a cost-effective, intelligent PDU solution with options ranging from basic to fully featured (input metered, outlet switched, outlet metered & switched). Supporting up to 32A with 10M/100M Ethernet ports, it's ideal for businesses needing smart power management at a competitive price.

Xpert Series

The Xpert Series is a high-density, customizable PDU built for data centers needing advanced control. Featuring combination outlets (C13, C15, C19, C21) and Gigabit ports, it's a fully intelligent solution designed to support high-current demands and scalable environments.

MODEL PN: INVCDU100	Xsmart	Xpert
Current Range	<=32A	>=60A
Power Density	<=22.1kW	>=17.3kW
Basic PDU	✓	
MI PDU (Input Metered)	✓	✓
MPO PDU (Outlet Metered)	✓	✓
MS PDU (Input Metered, Outlet Switched)	✓	✓
MSPO PDU (Outlet Metered and Switched)	✓	✓
High Speed Ethernet Port	10M/100M	1000M
Dual Network Port	✕	✕*
High Speed Cascading	32	64
Billing Grade Accuracy	1%	0.50%
Color LED Display	1.8" LCD	2" LCD
Hot Swappable NMC	✓	✓
Rotatable UI (0°, 180°)	✓	✕**
10 kAIC Breaker Option	✓	✓***
Operating Temperature	55℃	60℃
Environmental Sensor Support	✓	✓
Outlet Density (MSPO)	42	54
Combination Outlets (C13/C19/C15/C21)	✕	✓
Alternating Phase Outlets (3PH)	✓	✓
Native Locking Outlets Option	✕	✓
Residual Current Monitoring (RCM) Option	✓	✓
Global Compliances	✓	✓
High kVA Solutions (AI Application)	✕	3Ph/63A, 100A (UL), 125A(CE)
Communications protocols SNMP v1, v2 & v3, SNMP, HTTP, HTTPS, FTP, Modbus TCP, API Rest, SSH.	✓	✓

*Dual gigabit network cards with type C port are coming soon.

**63A is rotatable, more than 63A can't.

***CB Status Monitoring is coming soon.

Low Profile Design
Low and Slim profile to save more equipment space in rack.

1%
Billing Grade Metering Accuracy

55 ℃
Operating Temperature

1X
10M/100M Ethernet Port

Hot-swappable Controller
Replace the controller online without interrupting operation.

Environmental Monitoring
Supports sensors for humidity/temperature, leakage detection, door status, liquid pressure, electric handle and more

1X
USB Port

32X
Units of PDU High Speed Cascading

Notification
Email Notification
SNMP Traps
Syslog Notification

Secure Connectivity
Support IPv4 and IPv6
SNMP V1/V2/V3
HTTPS

Authentication
Remote Access Dial-In User Service (RADIUS)
Strong passwords policy
Multiple levels of access

PDU Management
Responsive web interface with HTTP(s)
Network Port Sharing up to 32 units
SNMP V1/V2/V3
Modbus TCP
Multiuser management
USB((firmware upgrade and log export)

1.8 " LCD
With 0/180° Rotational Capability

Cascading Port
Support up to 32 daisy chain.

Sensor and I/O Port
Support T/H sensor, Leakage sensor, Door contact sensor.

10/100M Ethernet Port

USB Port
For data diagnostic & firmware upgrade

Reset ● ● Status

Inova

Smart PDU
L1:226V 58.2A
L2:225V 48.30A
L3:229V 32.50A
192.168.131.168
Guest1

Menu Scroll Select

Sensor 1 Sensor 2/Serial

In Out

Ethernet USB

	Part Number	Nominal Voltage	Current	Frequency	Plug Type	Power Cord Length	Outlet	Circuit Breaker
Basic	XS11101	230Vac, 1 phase	10A	50/60Hz	IEC320 C14 Inlet	NA	(1)C13, (6) SCHUKO	
	XS11161	230Vac, 1 phase	16A	50/60Hz	IEC320 C20 Inlet	NA	(8)C13	
	XS11162	230Vac, 1 phase	16A	50/60Hz	IEC309 16A 2P+E	3m	(20)C13, (4)C19	
	XS11163	230Vac, 1 phase	16A	50/60Hz	SCHUKO 16A	3m	(14)SCHUKO,45C	
	XS11321	230Vac, 1 phase	32A	50/60Hz	IEC309 32A 2P+E	3m	(20)C13, (4)C19	
	XS11322	230Vac, 1 phase	32A	50/60Hz	IEC309 32A 2P+E	3m	(24)C13, (6)C19	(2) 16A
	XS11323	230Vac, 1 phase	32A	50/60Hz	IEC309 32A 2P+E	3m	(21)SCHUKO,45C	
	XS13161	400Vac, 3 phase	16A	50/60Hz	IEC309 16A 3P+N+E	2m	(36)C13, (6)C19	
	XS13321	400Vac, 3 phase	32A	50/60Hz	IEC309 32A 3P+N+E	2m	(30)C13, (12)C19	(6) 16A
Input Metered	XS21161	230Vac, 1 phase	16A	50/60Hz	IEC320 C20 Inlet	NA	(8)C13	
	XS21162	230Vac, 1 phase	16A	50/60Hz	IEC309 16A 2P+E	3m	(18)C13, (3)C19	
	XS23161	400Vac, 3 phase	16A	50/60Hz	IEC309 16A 3P+N+E	3m	(21)C13, (3)C19	
	XS21321	230Vac, 1 phase	32A	50/60Hz	IEC309 32A 2P+E	3m	(20)C13, (4)C19	(2) 16A
	XS23321	400Vac, 3 phase	32A	50/60Hz	IEC309 32A 3P+N+E	3m	(18)C13, (6)C19	(6) 16A
Input Metered, Outlet Switched	XS31161	230Vac, 1 phase	16A	50/60Hz	IEC309 16A 2P+E	2m	(20)C13, (4)C19	
	XS33161	400Vac, 3 phase	16A	50/60Hz	IEC309 16A 3P+N+E	3m	(18)C13, (6)C19	
	XS31321	230Vac, 1 phase	32A	50/60Hz	IEC309 32A 2P+E	3m	(20)C13, (4)C19	(2) 16A
	XS33321	400Vac, 3 phase	32A	50/60Hz	IEC309 32A 3P+N+E	3m	(18)C13, (6)C19	(6) 16A
Outlet Metered	XS41161	230Vac, 1 phase	16A	50/60Hz	IEC309 16A 2P+E	2m	(20)C13, (4)C19	
	XS43161	400Vac, 3 phase	16A	50/60Hz	IEC309 16A 3P+N+E	3m	(18)C13, (6)C19	
	XS41321	230Vac, 1 phase	32A	50/60Hz	IEC309 32A 2P+E	3m	(20)C13, (4)C19	(2) 16A
	XS43321	400Vac, 3 phase	32A	50/60Hz	IEC309 32A 3P+N+E	3m	(18)C13, (6)C19	(6) 16A
Outlet Metered, Outlet Switched	XS51161	230Vac, 1 phase	16A	50/60Hz	IEC309 16A 2P+E	2m	(20)C13, (4)C19	
	XS53161	400Vac, 3 phase	16A	50/60Hz	IEC309 16A 3P+N+E	3m	(18)C13, (6)C19	
	XS51321	230Vac, 1 phase	32A	50/60Hz	IEC309 32A 2P+E	3m	(20)C13, (4)C19	(2) 16A
	XS53321	400Vac, 3 phase	32A	50/60Hz	IEC309 32A 3P+N+E	3m	(18)C13, (6)C19	(6) 16A

Looking for a specific configuration? Our team is ready to help create a solution tailored to your exact needs. We offer customization options for color, input plug, outlet types, and arrangement—whatever your requirements, we'll ensure the perfect fit.

Reach out to our sales team at sales@inovadc.com to discuss your custom configuration options.

Inova

0.5%
Billing Grade Metering Accuracy

Low Profile Design
slim-profile design to save more equipmentspace in rack.

1X
Gigabyte Network Controller

Hot-swappable Controller
Replace the controller online without interrupting operation.

64
Units of PDU High Speed Cascading

Erironmental Monitoring
Supports sensors for humidity/temperature, leakage detection, door status, liquid pressure, electric handle and more.

60°C
Operating Temperature

4-in-1
Combo Outlet
Neutral Locking
Secure Fit with any power cord

Alternative Phase with colored outlet
Different colored outlets for each phase to prevent errors and simplify usage

Inova

Acts as any of these outlet types.

C13

C15

C19

C21

A versatile 4-in-1 hybrid outlet supports C14, C16, C20 & C22 power cables in a single socket, simplifying IT equipment deployment in racks.

High outlet density and alternating phase

Neutral locking outlets

Plastic Free

Packaging evolution for Sustainability

FUNCTIONAL SAFETY
c UL us LISTED
TÜV SÜD

Global Standards IEC/UL 62368

kwh+/-0.5%

kWh Metering accuracy

Supply Chain

TAA approved production site

Input Metered	Outlet Metered	Input Metered, Outlet Switched	Outlet Metered, Outlet Switched	Input Plug	Outlets	Circuit Breaker	kVA
XP2563AH		XP3563AH	XP5563AH	IEC309 60/63A 3P+N+E	(12) C19	12 Single Pole	43.5 (IEC), 34.6 (UL)
XP2563A	XP4563A	XP3563A	XP5563A	IEC309 60/63A 3P+N+E	(12) C13/C15, (12) C13/C15/C19/C21	12 Single Pole	43.5 (IEC), 34.6 (UL)
XP2563B			XP5563B	IEC309 60/63A 3P+N+E	(15) C13/C15, (15) C13/C15/C19/C21	12 Single Pole	43.5 (IEC), 34.6 (UL)
XP2563C	XP4563C	XP3563C	XP5563C	IEC309 60/63A 3P+N+E	(18) C13/C15, (18) C13/C15/C19/C21	12 Single Pole	43.5 (IEC), 34.6 (UL)
XP2563X		XP3563X	XP5563X	IEC309 60/63A 3P+N+E	(24) C13/C15, (24) C13/C15/C19/C21	12 Single Pole	43.5 (IEC), 34.6 (UL)
XP2596A	XP4596A	XP3596A	XP5596A	IEC309 125A 3P+N+E	(12) C13/C15, (12) C13/C15/C19/C21	18 Single Pole	66.5 (IEC)
XP2596C	XP4596C	XP3596C	XP5596C	IEC309 125A 3P+N+E	(18) C13/C15, (18) C13/C15/C19/C21	18 Single Pole	66.5 (IEC)
XP2596X		XP3596X	XP5596X	IEC309 125A 3P+N+E	(24) C13/C15, (24) C13/C15/C19/C21	18 Single Pole	66.5 (IEC)
XP2596XL				IEC309 125A 3P+N+E	(27) C13/C15, (27) C13/C15/C19/C21	18 Single Pole	66.5 (IEC)
XP2580A	XP4580A	XP3580A	XP5580A	IEC309 100A 3P+E	(24) C13/C15/C19/C21	6 20A Dual Pole	28.8 (UL)
XP2580C	XP4580C	XP3580C	XP5580C	IEC309 100A 3P+E	(18) C13/C15, (18) C13/C15/C19/C21	6 20A Dual Pole	28.8 (UL)
XP2580X		XP3580X	XP5580X	IEC309 100A 3P+E	(24) C13/C15, (24) C13/C15/C19/C21	6 20A Dual Pole	28.8 (UL)
XP25100C	XP45100C	XP35100C	XP55100C	IEC309 100A 3P+N+E	(18) C13/C15, (18) C13/C15/C19/C21	9 30A Single Pole	51.8 (UL)
XP25100X		XP35100X	XP55100X	IEC309 100A 3P+N+E	(24) C13/C15, (24) C13/C15/C19/C21	12 30A Single Pole	57.5 (UL)
XP25125C		XP35125C	XP55125C	IEC309 125A 3P+N+E	(18) C13/C15, (18) C13/C15/C19/C21	24 Single Pole	86.6 (IEC)
XP25125X		XP35125X	XP55125X	IEC309 125A 3P+N+E	(24) C13/C15, (24) C13/C15/C19/C21	24 Single Pole	86.6 (IEC)
XP2H560A	XP4H560A		XP5H560A	IEC309 60A 3P+E, 9H	(6) C13, (12) C13/C15/C19/C21	6 Dual Pole	17.3
XP2H540A	XP4H540A		XP5H540A	IEC309 60A 3P+N+E	(18) C13/C15/C19/C21	6 Single Pole	28.8 (UL)
XP2H563A	XP4H563A		XP5H563A	IEC309 60/63A 3P+N+E	(6) C13, (12) C13/C15/C19/C21	12 Single Pole	43.5 (IEC), 34.6 (UL)
			XP5H563B	IEC309 60/63A 3P+N+E	(6) C13, (18) C13/C15/C19/C21	12 Single Pole	43.5 (IEC), 34.6 (UL)

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About Inova

Choosing Inova PDUs means partnering with a provider committed to delivering versatile and high-performance power solutions for your data center. Benefit from reliable power management, scalability, and customization options that evolve with your infrastructure, ensuring efficient and future-ready operations.

For inquiries and consultation, contact sales@inovadc.com