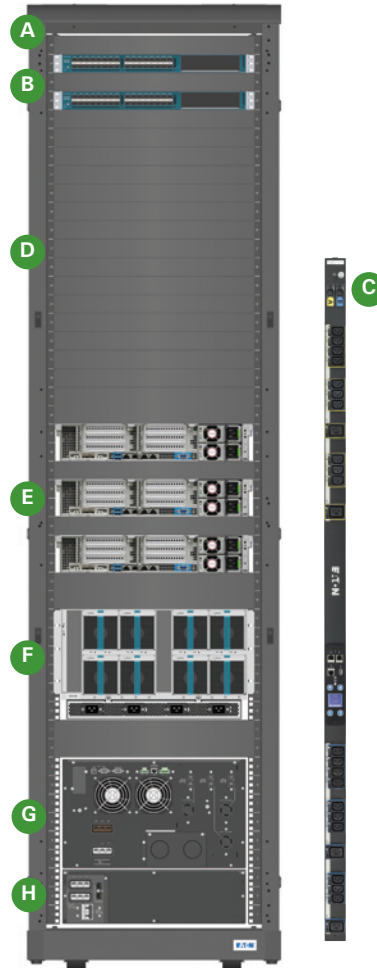# Compute-intensive hybrid cluster

A Eaton enclosure

B Cisco UCS 6248UP 48-port fabric interconnect

C Eaton managed ePDU G3

D Eaton blanking panels

E Cisco HX 240c M4

F Cisco UCS B200 M4 Blade-Series servers

G Eaton 9PX UPS

H Eaton External Battery Module

Rear view

Eaton power Cisco HyperFlex Systems
Cisco expanded the boundaries of hyperconverged infrastructures by unifying the three traditional silos of compute, storage and network into one tightly integrated platform based on UCS. HyperFlex Systems provide centralized management, simplicity and easy scaling with the right mix of capacity and performance to deliver enterprise-grade data management and optimization. Power and power management are critical in making this a reality. Eaton's intelligent, integrated and scalable solutions are designed to organize, protect and manage HyperFlex Systems to help mitigate risk and drive business continuity.

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EATON SOLUTIONS FOR CISCO HYPERFLEX SYSTEM COMPUTE-INTENSIVE CLUSTER

Cisco solutions					
Layer	**Component**	**Qty**	**Power connections**	**Typical power (watts)**	**Total typical power (watts)**
Fabric interconnect	UCS 6248UP	2	(2) C14	380	760
Hyperconverged infrastructure	HX240c M4	3	(2) C14	572	1053
	UCS5108 blade server chassis	1	(2) C19	2915	2915
	UCS B200 M4 blade servers	2	n/a		
				Total Power	**5391**
Software	UCS Manager 2.2 and integrated management controller		Connection to UCS management for automated configuration through a single interface		
Software	HyperFlex DX data platform		1- or 3-year software subscription		
Software	VMware vSphere ESXi 6.0		Preinstalled; ESXi 5.5 supported but not preinstalled		

Eaton solutions			
Layer	**Component**	**Qty**	**Details**
Enclosure	REA42610SPBE	1	RE Rack 42Ux600Wx1000D perforated doors, with sides
Cable management	ETN-PBP1U10	2	10-pack 1U blanking panels
Cable management	ETN-CMPD19031U	2	Cable Manager, Horizontal Ring 1U 19"
Cable management	ETN-CMVBCKL	2	Velcro buckle straps
Power distribution	EMAB05	2	Eaton ePDU Managed, 0U (309 32A 1P)20XC13:4XC19
Power protection	9PX8KiRTNBP	1	7200W UPS, terminal block input, (4) IEC C19 and hardwired terminal block output connections, Maintenance Bypass delivered as standard; 6U; includes network management card
Power protection	9PXEBM240 + 9RK	1	External battery module, 3U extends runtime to 23 minutes
Cabling accessories Component	CBL2OUT32	1	cabling accessories to connect the 2 PDUs to the UPS.
Environmental sensor	EMP001	1	Environmental monitoring probe monitors humidity and temperature
Power management	66926	1	IPM version 1,54 gold license

For more information visit:
eaton.eu/cisco

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