

APC (EMEA) Sizing Guide for Cisco Switches and Routers with Multiple Power Supplies



Series	Power Supply Unit (PSU)	Power source connections per PSU for full permissible power	Compatible Switches & Routers	*Estimated Max. Power Consumption (Watts)		Recommended Solution			Redundant Solution (One power module to be added to each system for redundancy)		
				DC loading on Chassis	AC loading on UPS	Runtime			Runtime		
						1 hour	2 hours	4 hours	1 hour	2 hours	4 hours
Catalyst 4500	PWR-C45-1000AC (data only)	(1) IEC320 C16 inlet on PSU	4503, 4506, 4507R (classic & E models)	800	941	SURTD3000RMXLI + (1) SURT192RMXLBP	SURTD3000RMXLI + (1) SURT192RMXLBP	SURTD3000RMXLI + (3) SURT192RMXLBP	SYH4K6RMI + (1)SYBT2	SYH4K6RMI + (1) SYRMXR4B4I	SYH4K6RMI + (2) SYRMXR4B4I
	PWR-C45-1400AC (data only)	(1) IEC320 C20 inlet on PSU	4503, 4506, 4507R, 4510R (classic & E models)	1120	1318	SURTD3000RMXLI + (1) SURT192RMXLBP	SURTD3000RMXLI + (2) SURT192RMXLBP	SURTD3000RMXLI + (3) SURT192RMXLBP	SYH4K6RMI + (2)SYBT2	SYH4K6RMI + (1) SYRMXR4B4I + (1) SYRMXR2B4I	SYH4K6RMI + (3) SYRMXR4B4I
	PWR-C45-1300ACV (with integrated PoE)	(1) IEC320 C20 inlet on PSU	4503, 4506, 4507R (classic & E models)	1040	1224	SURTD3000RMXLI + (1) SURT192RMXLBP	SURTD3000RMXLI + (2) SURT192RMXLBP	SURTD3000RMXLI + (3) SURT192RMXLBP	SYH4K6RMI + (2)SYBT2	SYH4K6RMI + (1) SYBT2 + (1) SYRMXR4B4I	SYH4K6RMI + (2) SYRMXR4B4I
	PWR-C45-2800ACV (with integrated PoE)	(1) IEC320 C20 inlet on PSU	4503, 4506, 4507R, 4510R (classic & E models)	2240	2635	SURTD5000RMXLI + (2) SURT192RMXLBP	SURTD5000RMXLI + (4) SURT192RMXLBP	SURT8000RMXLI + (6) SURT192RMXLBP	SYH6K6RMI + (1) SYRMXR4B4I + (1) SYRMXR2B4I	SYH6K6RMI + (2) SYRMXR4B4I + (1) SYRMXR2B4I	SYH6K6RMI + (5) SYRMXR4B4I + (1) SYRMXR2B4I
	PWR-C45-4200ACV (with integrated PoE)	(2) IEC320 C20 inlet on PSU	4503, 4506, 4507R, 4510R (classic & E models)	3360	3953	SURT8000RMXLI + (3) SURT192RMXLBP	SURT8000RMXLI + (5) SURT192RMXLBP	SURT15KRMXLI + (5) SURT192RMXLBP2	SYA8K8RMI + (2) SYARMXR3B3I	SYA8K8RMI + (1) SYARMXR3B3I + (1) SYARMXR9B9I	SYA8K8RMI + (2) SYARMXR3B3I + (2) SYARMXR9B9I
	PWR-C45-6000ACV (with integrated PoE)	(2) IEC320 C20 inlet on PSU	4503, 4506, 4507R, 4510R (classic & E models)	4800	5647	SURT10000RMXLI + (4) SURT192RMXLBP	SURT15KRMXLI + (3) SURT192RMXLBP2	SURT15KRMXLI + (7) SURT192RMXLBP2	SYA12K16RMI + (1) SYARMXR9B9I	SYA12K16RMI + (2) SYARMXR9B9I	SYA12K16RMI + (2) SYARMXR3B3I + (3) SYARMXR9B9I
Catalyst 6500	PWR-950-AC	(1) IEC320 C16 inlet on PSU	6503, 6503-E	760	894	SURTD3000RMXLI + (1) SURT192RMXLBP	SURTD3000RMXLI + (1) SURT192RMXLBP	SURTD3000RMXLI + (2) SURT192RMXLBP	SYH4K6RMI + (1) SYBT2	SYH4K6RMI + (1) SYRMXR4B4I	SYH4K6RMI + (2) SYRMXR4B4I
	WS-CAC-1000W	(1) IEC320 C16 inlet on PSU	6506, 6509	800	941	SURTD3000RMXLI + (1) SURT192RMXLBP	SURTD3000RMXLI + (1) SURT192RMXLBP	SURTD3000RMXLI + (3) SURT192RMXLBP	SYH4K6RMI + (1)SYBT2	SYH4K6RMI + (1) SYRMXR4B4I	SYH4K6RMI + (2) SYRMXR4B4I
	PWR-1400-AC	(1) IEC320 C20 inlet on PSU	6503, 6503-E	1120	1318	SURTD3000RMXLI + (1) SURT192RMXLBP	SURTD3000RMXLI + (2) SURT192RMXLBP	SURTD3000RMXLI + (3) SURT192RMXLBP	SYH4K6RMI + (2)SYBT2	SYH4K6RMI + (1) SYRMXR4B4I + (1) SYRMXR2B4I	SYH4K6RMI + (3) SYRMXR4B4I
	WS-CAC-2500W	(1) IEC320 C20 inlet on PSU	6506, 6506-E, 6509, 6509-E, 6509-V-E, 6513	2000	2353	SURTD5000RMXLI + (2) SURT192RMXLBP	SURTD5000RMXLI + (3) SURT192RMXLBP	SURTD5000RMXLI + (6) SURT192RMXLBP	SYH6K6RMI + (1) SYRMXR4B4I	SYH6K6RMI + (2) SYRMXR4B4I + (1) SYRMXR2B4I	SYH6K6RMI + (5) SYRMXR4B4I
	PWR-2700-AC/4	(1) IEC320 C20 inlet on PSU	6504-E	2160	2541	SURTD5000RMXLI + (2) SURT192RMXLBP	SURTD5000RMXLI + (4) SURT192RMXLBP	SURT8000RMXLI + (7) SURT192RMXLBP	SYH6K6RMI + (1) SYRMXR4B4I	SYH6K6RMI + (2) SYRMXR4B4I + (1) SYRMXR2B4I	SYH6K6RMI + (5) SYRMXR4B4I
	WS-CAC-3000W	(1) IEC320 C20 inlet on PSU	6506, 6506-E, 6509, 6509-E, 6509-V-E, 6513	2400	2824	SURTD5000RMXLI + (2) SURT192RMXLBP	SURTD5000RMXLI + (4) SURT192RMXLBP	SURT8000RMXLI + (7) SURT192RMXLBP	SYH6K6RMI + (1) SYRMXR4B4I + (1) SYRMXR2B4I	SYH6K6RMI + (3) SYRMXR4B4I	SYH6K6RMI + (6) SYRMXR4B4I

* Estimated Max. Power Consumption data is offered as a guide only and is based on 80% DC loading of the installed power supply units operating at 85% efficiency to provide the UPS loading. Data assumes that the installed power supplies are in redundant or single mode not combined.

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				DC loading on Chassis	AC loading on UPS	Runtime			Runtime		
						1 hour	2 hours	4 hours	1 hour	2 hours	4 hours
Catalyst 6500	WS-CAC-4000W-INT	Hardwired to IEC 60309 plug	6506, 6506-E, 6509, 6509-E, 6509-V-E, 6513	3200	3765	SURT8000RMXLI + (3) SURT192RMXLBP	SURT8000RMXLI + (5) SURT192RMXLBP	SURT15KRMXLI + (5) SURT192RMXLBP2	SYA8K8RMI + (2) SYARMXR3B3I	SYA8K8RMI + (1) SYARMXR9B9I + (1) SYARMXR3B3I	SYA8K8RMI + (2) SYARMXR9B9I + (1) SYARMXR3B3I
	WS-CAC-6000W	(2) IEC320 C20 inlets on PSU	6506, 6509 (Max 4000W)	3200	3765	SURT8000RMXLI + (3) SURT192RMXLBP	SURT8000RMXLI + (5) SURT192RMXLBP	SURT15KRMXLI + (5) SURT192RMXLBP2	SYA8K8RMI + (2) SYARMXR3B3I	SYA8K8RMI + (1) SYARMXR9B9I + (1) SYARMXR3B3I	SYA8K8RMI + (2) SYARMXR9B9I + (1) SYARMXR3B3I
			6506-E, 6509-E, 6509-V-E, 6513,	4800	5647	SURT10000RMXLI + (4) SURT192RMXLBP	SURT15KRMXLI + (3) SURT192RMXLBP2	SURT15KRMXLI + (7) SURT192RMXLBP2	SYA12K16RMI + (1) SYARMXR9B9I	SYA12K16RMI + (2) SYARMXR9B9I	SYA12K16RMI + (2) SYARMXR3B3I + (3) SYARMXR9B9I
	WS-CAC-8700W-E	(3) IEC320 C20 inlets on PSU	6506, 6509 (Max 4000W)	3200	3765	SURT8000RMXLI + (3) SURT192RMXLBP	SURT8000RMXLI + (5) SURT192RMXLBP	SURT15KRMXLI + (5) SURT192RMXLBP2	SYA8K8RMI + (2) SYARMXR3B3I	SYA8K8RMI + (1) SYARMXR9B9I + (1) SYARMXR3B3I	SYA8K8RMI + (2) SYARMXR9B9I + (1) SYARMXR3B3I
			6513 (Max 6000W)	4800	5647	SURT10000RMXLI + (4) SURT192RMXLBP	SURT15KRMXLI + (3) SURT192RMXLBP2	SURT15KRMXLI + (7) SURT192RMXLBP2	SYA12K16RMI + (1) SYARMXR9B9I	SYA12K16RMI + (2) SYARMXR9B9I	SYA12K16RMI + (2) SYARMXR3B3I + (3) SYARMXR9B9I
			6506, 6506-E, 6509, 6509-E	6960	8188	SURT15KRMXLI + (3) SURT192RMXLBP2	SURT15KRMXLI + (5) SURT192RMXLBP2	SYA16K16RMI + (5) SYARMXR9B9I	SYA16K16RMI + (1) SYARMXR9B9I + (1) SYARMXR3B3I	SYA16K16RMI + (2) SYARMXR9B9I + (2) SYARMXR3B3I	SYA16K16RMI + (5) SYARMXR9B9I
Catalyst 7600	WS-CAC-2500W	(1) IEC320 C20 inlet on PSU	7609	2000	2353	SURTD5000RMXLI + (2) SURT192RMXLBP	SURTD5000RMXLI + (3) SURT192RMXLBP	SURTD5000RMXLI + (6) SURT192RMXLBP	SYH6K6RMI + (1) SYRMXR4B4I	SYH6K6RMI + (2) SYRMXR4B4I + (1) SYRMXR2B4I	SYH6K6RMI + (5) SYRMXR4B4I
	PWR-2700-AC/4	(1) IEC320 C20 inlet on PSU	7604	2160	2541	SURTD5000RMXLI + (2) SURT192RMXLBP	SURTD5000RMXLI + (4) SURT192RMXLBP	SURT8000RMXLI + (7) SURT192RMXLBP	SYH6K6RMI + (1) SYRMXR4B4I	SYH6K6RMI + (2) SYRMXR4B4I + (1) SYRMXR2B4I	SYH6K6RMI + (5) SYRMXR4B4I
	WS-CAC-3000W	(1) IEC320 C20 inlet on PSU	7609, 7609-S, 7613	2400	2824	SURTD5000RMXLI + (2) SURT192RMXLBP	SURTD5000RMXLI + (4) SURT192RMXLBP	SURT8000RMXLI + (7) SURT192RMXLBP	SYH6K6RMI + (1) SYRMXR4B4I + (1) SYRMXR2B4I	SYH6K6RMI + (3) SYRMXR4B4I	SYH6K6RMI + (6) SYRMXR4B4I
	WS-CAC-4000W-INT	Hardwired to IEC 60309 plug	7609, 7609-S, 7613	3200	3765	SURT8000RMXLI + (3) SURT192RMXLBP	SURT8000RMXLI + (5) SURT192RMXLBP	SURT15KRMXLI + (5) SURT192RMXLBP2	SYA8K8RMI + (2) SYARMXR3B3I	SYA8K8RMI + (1) SYARMXR9B9I + (1) SYARMXR3B3I	SYA8K8RMI + (2) SYARMXR9B9I + (1) SYARMXR3B3I
	WS-CAC-6000W	(2) IEC320 C20 inlets on PSU	OSR-7609, 7609, 7609-S, 7613	4800	5647	SURT10000RMXLI + (4) SURT192RMXLBP	SURT15KRMXLI + (3) SURT192RMXLBP2	SURT15KRMXLI + (7) SURT192RMXLBP2	SYA12K16RMI + (1) SYARMXR9B9I	SYA12K16RMI + (2) SYARMXR9B9I	SYA12K16RMI + (2) SYARMXR3B3I + (3) SYARMXR9B9I
	<p>* Estimated Max. Power Consumption data is offered as a guide only and is based on 80% DC loading of the installed power supply units operating at 85% efficiency to provide the UPS loading. Data assumes that the installed power supplies are in redundant or single mode not combined.</p>										
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