

# APC (MEA) Sizing Guide for Cisco Switches and Routers with Base Power Supplies

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Series	Power Supply Unit (PSU)	Power source connections per PSU for full permissible power	PSU DC rating (Watts)	*Estimated Max. Power Consumption (Watts)		Series	Power Supply Unit (PSU)	Power source connections per PSU for full permissible power	PSU DC rating (Watts)	*Estimated Max. Power Consumption (Watts)	
				DC loading on PSU	AC loading on UPS by PSU					DC loading on Chassis	AC loading on UPS
1701, 1711, 1712, 1721, 1751	External power supply unit (PSU)	IEC320 C14 input connector on power supply unit	20	16	19	Catalyst 2950G-48	Internal with external power supply redundancy option	IEC320 C14 input connector on unit	45	36	42
1760	Internal power supply	IEC320 C14 input connector on unit	50	40	47	Catalyst 3560-24TS	Internal power supply	IEC320 C14 input connector on unit	45	36	42
1801, 1802, 1803, 1805, 1811, 1812	Internal power supply	IEC320 C14 input connector on unit	50	40	47	Catalyst 3560-48TS	Internal power supply	IEC320 C14 input connector on unit	65	52	61
	Router internal (50W) PSU + optional PoE external (80W) PSU	IEC320 C14 input connector on unit IEC320 C8 input connector on optional external PoE power supply	130	104	122	Catalyst 3560G-24TS	Internal power supply	IEC320 C14 input connector on unit	100	80	94
2612, 2610, 2611XM, 2620, 2621XM, 2650, 2651XM	Internal power supply	IEC320 C14 input connector on unit	50	40	47	Catalyst 3560G-48TS	Internal power supply	IEC320 C14 input connector on unit	160	128	151
2691	Internal power supply	IEC320 C14 input connector on unit	105	84	99	Catalyst 3560-8PC, 3560-12PC	Internal power supply	IEC320 C14 input connector on unit	204	163	192
3700	PWR-3725-AC= optional telephony power module installed	IEC320 C14 input connector on unit	495	396	466	Catalyst 3560-24PS	Internal power supply	IEC320 C14 input connector on unit	485	388	456
	PWR-3745-AC= optional telephony power module installed	IEC320 C14 input connector on unit	590	472	555	Catalyst 3560-48PS	Internal power supply	IEC320 C14 input connector on unit	530	424	499
		IEC320 C14 input connector on unit				Catalyst 3560G-24PS	Internal power supply	IEC320 C14 input connector on unit	540	432	508
3825	PWR-3825-AC= supporting system only	IEC320 C14 input connector on PSU	210	168	198	Catalyst 3560G-48PS	Internal power supply	IEC320 C14 input connector on unit	590	472	555
	PWR-3825-AC-IP= supporting system & IP phones	IEC320 C14 input connector on PSU	570	456	536	Catalyst 3750V2-24TS-S 3750V2-24TS-E	Internal power supply	IEC320 C14 input connector on unit	60	48	56
3845	PWR-3845-AC= supporting system only	IEC320 C14 input connector on unit	300	240	282	Catalyst 3750G-12S-S 3750G-12S-E	Internal power supply	IEC320 C14 input connector on unit	100	80	94
	PWR-3845-AC-IP= supporting system & IP phones	IEC320 C14 input connector on unit	660	528	621	Catalyst 3750-24FS-S	Internal power supply	IEC320 C14 input connector on unit	125	100	118
		IEC320 C14 input connector on unit				Catalyst 3750V2-48TS-S 3560X-48TS-E	Internal power supply	IEC320 C14 input connector on unit	130	104	122
7200	PWR-7200-ACE=	Schuko CEE 7/7 Plug - IEC320 C13	280	224	264	Catalyst 3750V2-24PS-S 3750V2-48PS-S 3750V2-24PS-E 3750V2-48PS-E	Internal power supply	IEC320 C14 input connector on unit	525	420	494
	PWR-7200-ACI=	Italian CEI 23-16 Plug - IEC320 C13									
	PWR-7200-ACU=	UK BS 1363 Plug - IEC320 C13									
Catalyst 2950T-24, 2950C-24, 2950G-12, 2950G-24	Internal with external power supply redundancy option	IEC320 C14 input connector on unit	30	24	28	Catalyst 4928, 4948	Internal power supply with redundancy option	IEC320 C14 input connector on unit	300	240	282

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MDS 9100 series	Internal redundant power supplies 2 x DS-CAC-300W	IEC320 C14 input connector on unit	300	240	282	MDS 9509	DS-CAC-2500W	IEC320 C20 inlets on PSU	2500	2000	2353
MDS 9200 series	Internal redundant power supplies 2 x DS-CAC-845W	IEC320 C16 input connector on unit	845	676	795	MDS 9509	DS-CAC-3000W	IEC320 C20 inlets on PSU	3000	2400	2824
						MDS 9509	DS-CAC-4000W-INT	Hardwired to IEC309 plug	4000	3200	3765
MDS 9506	DS-CAC-1900W	Hot plugs directly into MDS 9506 chassis	1900	1520	1788	MDS 9513	DS-CAC-6000W	(2) IEC320 C20 inlets on PSU	6000	4800	5647



\* 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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# APC (MEA) UPS Solutions to support Cisco Routers, Switches and SAN Products

Recommended Rack Mount UPS Solution				Redundant Rack Mount UPS Solution (One power module to be added to each system for redundancy)			
Total AC Loading on UPS (Watts)	Runtime			Total AC Loading on UPS (Watts)	Runtime		
	1 hour	2 hours	4 hours		1 hour	2 hours	4 hours
150	SUA1000RMI2U	SUA1500RMI2U	SUM1500RMLI2U + (1) SUM48RMLBP2U	150	SYH2K6RMI	SYH2K6RMI	SYH2K6RMI + (1) SYBT2
300	SUM1500RMLI2U	SUA2200RMLI3U	SUA2200RMLI3U + (1) SUA48RMLBP3U	300	SYH2K6RMI	SYH2K6RMI + (1) SYBT2	SYH2K6RMI + (2) SYBT2
500	SUA2200RMLI3U	SUA2200RMLI3U + (1) SUA48RMLBP3U	SUA2200RMLI3U + (2) SUA48RMLBP3U	500	SYH2K6RMI + (1) SYBT2	SYH2K6RMI + (2) SYBT2	SYH2K6RMI + (4) SYBT2
750	SUM1500RMLI2U + (1) SUM48RMLBP2U	SUA2200RMLI3U + (1) SUA48RMLBP3U	SUA2200RMLI3U + (2) SUA48RMLBP3U	750	SYH2K6RMI + (2) SYBT2	SYH2K6RMI + (3) SYBT2	SYH2K6RMI + (3) SYBT2 + (1) SYRMXR4B4I
1000	SUA2200RMLI3U + (1) SUA48RMLBP3U	SUA2200RMLI3U + (2) SUA48RMLBP3U	SUA2200RMLI3U + (3) SUA48RMLBP3U	1000	SYH2K6RMI + (2) SYBT2	SYH2K6RMI + (4) SYBT2	SYH2K6RMI + (1) SYBT2 + (2) SYRMXR4B4I
1250	SUA2200RMLI3U + (1) SUA48RMLBP3U	SUA2200RMLI3U + (2) SUA48RMLBP3U	SUA2200RMLI3U + (4) SUA48RMLBP3U	1250	SYH2K6RMI + (4) SYBT2	SYH2K6RMI + (1) SYBT2 + (1) SYRMXR4B4I	SYH2K6RMI + (2) SYBT2 + (2) SYRMXR4B4I
1500	SUA2200RMLI3U + (2) SUA48RMLBP3U	SUA2200RMLI3U + (3) SUA48RMLBP3U	SUA2200RMLI3U + (5) SUA48RMLBP3U	1500	SYH4K6RMI + (2) SYBT2	SYH4K6RMI + (2) SYBT2 + (1) SYRMXR4B4I	SYH4K6RMI + (3) SYRMXR4B4I
2000	SUA3000RMLI3U + (2) SUA48RMLBP3U	SUA3000RMLI3U + (4) SUA48RMLBP3U	SURTD5000RMLI + (5) SURT192RMLBP	2000	SYH6K6RMI + (1) SYRMXR4B4I	SYH6K6RMI + (2) SYRMXR4B4I	SYH6K6RMI + (4) SYRMXR4B4I
2500	SURTD5000RMLI + (2) SURT192RMLBP	SURTD5000RMLI + (3) SURT192RMLBP	SURTD5000RMLI + (6) SURT192RMLBP	2500	SYH6K6RMI + (1) SYRMXR4B4I	SYH6K6RMI + (2) SYRMXR4B4I + (1) SYRMXR2B4I	SYH6K6RMI + (5) SYRMXR4B4I
3000	SURT8000RMLI + (2) SURT192RMLBP	SURT8000RMLI + (4) SURT192RMLBP	SURT15KRMXLI + (3) SURT192RMLBP2	3000	SYH6K6RMI + (1) SYRMXR4B4I + (1) SYRMXR2B4I	SYH6K6RMI + (3) SYRMXR4B4I	SYH6K6RMI + (6) SYRMXR4B4I
3500	SURT8000RMLI + (2) SURT192RMLBP	SURT8000RMLI + (5) SURT192RMLBP	SURT15KRMXLI + (4) SURT192RMLBP2	3500	SYH6K6RMI + (2) SYRMXR4B4I	SYH6K6RMI + (3) SYRMXR4B4I + (1) SYRMXR2B4I	SYA8K8RMI + (2) SYARMXR9B9I + (1) SYARMXR3B3I
4000	SURT8000RMLI + (3) SURT192RMLBP	SURT8000RMLI + (5) SURT192RMLBP	SURT15KRMXLI + (5) SURT192RMLBP2	4000	SYA8K8RMI + (2) SYARMXR3B3I	SYA8K8RMI + (1) SYARMXR9B9I + (1) SYARMXR3B3I	SYA8K8RMI + (2) SYARMXR9B9I + (2) SYARMXR3B3I
4500	SURT8000RMLI + (3) SURT192RMLBP	SURT8000RMLI + (6) SURT192RMLBP	SURT15KRMXLI + (5) SURT192RMLBP2	4500	SYA8K8RMI + (1) SYARMXR9B9I	SYA8K8RMI + (1) SYARMXR9B9I + (2) SYARMXR3B3I	SYA8K8RMI + (3) SYARMXR9B9I
5000	SURT8000RMLI + (3) SURT192RMLBP	SURT8000RMLI + (6) SURT192RMLBP	SURT15KRMXLI + (6) SURT192RMLBP2	5000	SYA12K16RMI + (1) SYBT5 + (2) SYARMXR3B3I	SYA12K16RMI + (1) SYARMXR9B9I + (2) SYARMXR3B3I	SYA12K16RMI + (1) SYBT5 + (3) SYARMXR9B9I
6000	SURT15KRMXLI + (2) SURT192RMLBP2	SURT15KRMXLI + (2) SURT192RMLBP2	SURT15KRMXLI + (7) SURT192RMLBP2	6000	SYA12K16RMI + (1) SYARMXR9B9I	SYA12K16RMI + (2) SYARMXR9B9I	SYA12K16RMI + (4) SYARMXR9B9I
7000	SURT15KRMXLI + (2) SURT192RMLBP2	SURT15KRMXLI + (2) SURT192RMLBP2	SURT15KRMXLI + (8) SURT192RMLBP2	7000	SYA16K16RMI + (1) SYARMXR9B9I	SYA12K16RMI + (2) SYARMXR9B9I + (1) SYARMXR3B3I	SYA12K16RMI + (4) SYARMXR9B9I + (1) SYARMXR3B3I

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