Hot Swappable Power Supply

Ordering Guide

for HP A5800-48G-PoE+ Switch with 2 Interface Slots

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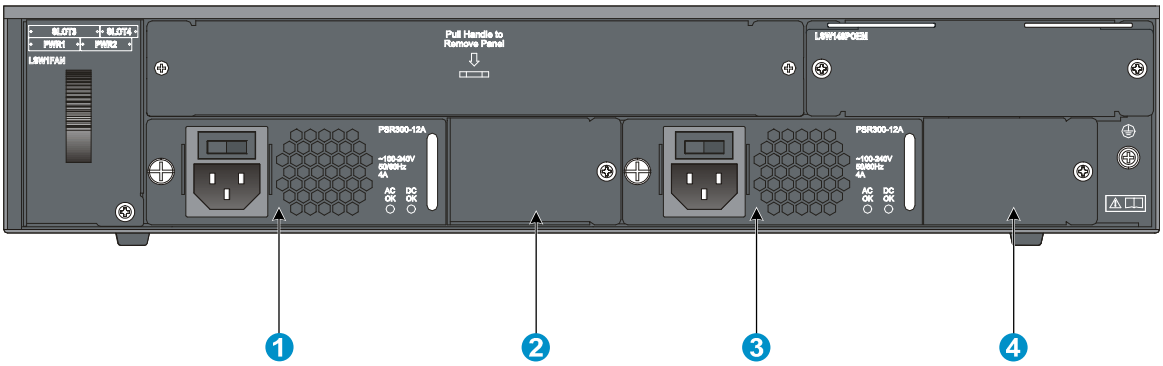
Power supply overview

Adopting advanced power supply design, the HP A5800-48G-PoE+ Switch with 2 Interface Slots (hereafter referred to as *A5800-48G-PoE+ (2 slot)*) and HP A5800-48G-PoE+ TAA Switch with 2 Interface Slots (hereafter referred to as *A5800-48G-PoE+ TAA (2 slot)*) features the following:

- Adopting hot swappable power supply design, each switch providing two hot swappable power supply slots, as shown in Figure 1.
- Supporting different models of hot swappable power supplies. For more information, see Table 1.
- Supporting combination of different hot swappable power supplies. You can select them as needed. For more information, see Table 2.

Figure 1 Location of power supplies on an A5800-48G-PoE+ (2 slot)/A5800-48G-PoE+ TAA (2 slot) (rear panel)



(1) Hot swappable power supply 1	(2) Filler module (Remove the module when hot swappable power supply 1 is a 750 W power supply.)
(3) Hot swappable power supply 2	(4) Filler module (Remove the module when hot swappable power supply 2 is a 750 W power supply.)

NOTE:

The A5800-48G-PoE+ (2 slot)/A5800-48G-PoE+ TAA (2 slot) provides two power supply slots on its rear panel. Hot swappable power supply slot 1 is empty when the switch is shipped, and hot swappable power supply slot 2 is installed with a filler panel. Figure 1 illustrates a switch with two PSR300-12A AC power supplies.

Table 1 Power supply models supported by the A5800-48G-PoE+ (2 slot)/A5800-48G-PoE+ TAA (2 slot)

Model	Power supply mode
PSR300-12A (JC087A)	AC input (Rated voltage range: 100 VAC to 240 VAC; 50 Hz or 60 Hz)

Model	Power supply mode
PSR300-12D1 (JC090A)	–48 VDC equipment-room power supply (Rated voltage range: –48 VDC to –60 VDC) HP A-RPS1600 (JG136A) DC power supply (Rated voltage range: –52 VDC to –55 VDC)
PSR750-A (JC089A)	AC input (Rated voltage range: 100 VAC to 240 VAC; 50 Hz or 60 Hz)

Guide to purchase

Table 2 Hot swappable power supply configuration of the A5800-48G-PoE+ (2 slot)/A5800-48G-PoE+ TAA (2 slot)

Model (Slot 1)	Model (Slot 2)	30 W PoE	15.4 W PoE	Remarks
PSR300-12A	—	Not supported	Not supported	—
PSR300-12D1	—	Not supported	Not supported	—
PSR300-12A	PSR300-12A	Not supported	Not supported	Power supply backup
PSR300-12D1	PSR300-12D1	Not supported	Not supported	Power supply backup
PSR300-12A	PSR300-12D1	Not supported	Not supported	Power supply backup
PSR750-A	—	12-port middle power PoE (30 W)	24-port standard PoE (15.4 W)	Maximum PoE power: 425 W
PSR750-A	PSR750-A	24-port middle power PoE (30 W)	48-port standard PoE (15.4 W)	Maximum PoE power: 740 W

CAUTION:

- Do not plug a 300 W power supply (PSR300-12A or PSR300-12D1) and a 750 W power supply (PSR750-A) on one A5800-48G-PoE+ (2 slot)/A5800-48G-PoE+ TAA (2 slot).
- Purchase a power supply according to whether PoE is needed and the power of powered devices (PDs) to ensure normal PoE power supply. For the introduction and installation of hot swappable power supplies, see the corresponding power supply user manual or *HP A5800 Switch Series Installation Guide*.