

STOCK RANGE OF 1PH AND 3PH SLIMLINE SWITCHED-MODE DIN RAIL POWER SUPPLIES WITH SPECIAL OPTIONAL FUNCTIONS FROM 1.25A TO 20A

Competent COSMO slimline series.
 Narrow construction to maximise space on the DIN rail.
 Covered input connections.
 Output current of 1.25~20A at 24~31.2V DC.
 Power factor correction to EN 61000-3-2 (except 149002-21001/31007/41001 and 149001-61013).
 Extended output voltage range.
 Balanced load sharing when wired in parallel.
 Low ripple < 50mV.
 Overload indicator.
 Approvals include UL and CUL.
 Special optional functions.



149001-51056

The Competent COSMO slimline series offers the design engineer the optimum in design excellence for a comprehensive range of 24V and 31.2V DC applications. The narrow construction maximises space on the DIN rail for where space is of a premium. Units from 5A to 20A have a unique termination cover to protect the connections and the wiring. Certain models use cage clamp terminations for ease of wiring and consistent reliability. Units comply with EN 61000-3-2 for the latest power factor correction requirements (except 149002-21001/31007/41001 and 149001-61013). The DC output voltage is adjustable as shown in the table below and when models are wired in parallel the load is balanced automatically between the units. The output ripple is below 50mV and in the event of an overload a red LED indicator is activated. Special optional functions include remote ON/OFF control, overload signalling, power failure signalling, and the options of 'hiccup mode' or 'turn-off mode' for output overload protection. The units are fully approved to the highest standards including UL, CUL, and LGA.

Reference	Input Range (47~63 Hz)	Output Voltage and Current	D (mm)	W (mm)	H (mm)	Weight (kg)	Typical Efficiency	Output Adjustment Range	Terminals
GF 149002-21001	94~265V AC 1ph	24.0V DC 1.25A	105.0	45.0	72.0	0.20	85%	23.3~24.7V DC	Screw
GF 149002-31001	94~265V AC 1ph	24.0V DC 2.00A	105.0	45.0	72.0	0.20	89%	23.3~24.7V DC	Screw
GF 149002-31007	94~265V AC 1ph	31.2V DC 1.80A (2.00A for 2 mins)	105.0	45.0	72.0	0.20	88%	30.3~32.1V DC	Screw clamp
GF 149002-41001	94~265V AC 1ph	24.0V DC 2.50A	105.0	45.0	72.0	0.26	89%	23.0~29.0V DC	Screw
GF 149001-51030	90~132V AC / 190~265V AC 1ph	31.2V DC 8.00A	141.0	70.0	151.0	0.90	89%	23.0~30.0V DC (30.0V DC max. 8.0A)	Screw plug
GF 149001-51032	195~500V AC 2ph	31.2V DC 8.00A	141.0	70.0	151.0	1.20	88%	30.9~31.5V DC	Screw plug
GF 149001~51034	195~500V AC / 210~700V DC 2ph	24.0V DC 10.00A	141.0	70.0	151.0	1.20	89%	23.0~30.0V DC (30.0V DC max. 8.0A)	Cage clamp
GF 149001-51056	90~265V AC 1ph	24.0V DC 5.00A	139.0	70.0	132.0	0.90	89%	23.0~30.0V DC (30.0V DC max. 4.0A)	Cage clamp
GF 149001-51061	90~265V AC 1ph	31.2V DC 4.00A	128.0	70.0	126.0	0.79	89%	30.9~31.5V DC	Screw plug
GF 149001-51063	90~265V AC 1ph	24.0V DC 5.00A	128.0	70.0	126.0	0.90	89%	23.0~30.0V DC (30.0V DC max. 4.0A)	Cage clamp
GF 149001-51071	92~265V AC 1ph	24.0V DC 5.00A	124.0	39.0	134.0	0.65	90%	24.0~30.0V DC	Push-in spring
GF 149001-51111	93~132V AC / 187~265V AC 1ph	24.0V DC 10.00A	164.0	70.0	147.0	1.20	90%	23.0~30.0V DC (30.0V DC max. 8.0A)	Cage clamp
GF 149001-51301	340~550V AC 3ph	24.0V DC 10.00A	160.0	81.0	153.0	1.40	90%	23.0~30.0V DC (30.0V DC max. 8.0A)	Cage clamp
GF 149001-61013	342~550V AC 3ph	24.0V DC 20.00A (40.00A for 2 secs)	123.3	85.3	133.3	2.00	89%	24.0~29.0V DC (29.0V DC max. 16.6A)	Cage clamp
GF 149001-61114	190~265V AC 1ph	24.0V DC 20.00A	173.0	86.0	227.0	2.00	89%	23.0~29.0V DC (29.0V DC max. 16.6A)	Screw
GF 149001-61116	340~550V AC 3ph	24.0V DC 20.00A	173.0	86.0	227.0	2.00	89%	23.0~29.0V DC (29.0V DC max. 16.6A)	Screw