

PAH SERIES

DC/DC Single Output: 50 - 200 Watts



Features

- Wide input DC range: 36~76VDC
- Output power modules: 50~200 watts
- Output voltage trim
- Wide baseplate operating temperature -20°C~100°C
- Fully isolated and regulated output
- International safety approvals and CE marked
- OVP, overload and overtemperature protection
- Fully encapsulated, suitable for harsh environments
- Suitable for a wide range of telecom applications

Specifications

INPUT VOLTAGE:	48VDC (36~76V)
EFFICIENCY:	Model dependent 80%~90%
OUTPUT VOLTAGE:	Model dependent: 3.3V to 28VDC options
VOLTAGE TRIM:	2.5V, 3.3V models: ±10% 5V models: -40% to +15% 12V~28V models: -40% to +10% Adjustment by TRIM terminal and external resistor network
OUTPUT POWER:	50~150 watts
LINE REGULATION:	0.4% or 20mV, whichever is greater
LOAD REGULATION:	0.8% or 40mV, whichever is greater
TEMP. CO-EFFICIENT:	0.02% per °C
RIPPLE & NOISE:	100mV pk - pk: 3~5V models 150mV pk - pk: 12~15V models 240mV~280mV pk - pk: 24~28V models
REMOTE SENSE:	Yes
OVERTEMP. PROTECTION:	Inverter shutdown protects against excessive temperatures. Recycle input power to restore operation
OVERCURRENT PROTECT:	Overload protection set at 105%~140% constant current with auto recovery
OVERVOLTAGE PROTECTION:	Yes, recycle input power to restore operation
REMOTE ON/OFF:	Short terminal CNT to SG to turn unit on, open circuit to turn unit off.
PARALLEL OPERATION:	No
SERIES OPERATION:	Yes
ISOLATION:	Input - output/baseplate: 1500VAC Output - chassis: 500VDC
COOLING:	All modules must be "conduction" cooled via the baseplate
OPERATING TEMPERATURE:	Baseplate temperature -20°C to 100°C
SAFETY:	UL1960, CSA, EN60950
DIMENSIONS:	61 x 57.9 x 12.7mm

MODEL	Output		Power W
	V	A	
PAH50S48 - 2.5	2.5V	11.7A	29.25W
PAH50S48 - 3.3	3.3V	11.7A	38.61W
PAH50S48 - 5	5V	10.0A	50.0W
PAH50S48 - 12	12V	4.2A	50.0W
PAH50S48 - 15	15V	3.4A	51.0W
PAH50S48 - 24	24V	2.1A	50.4W
PAH50S48 - 28	28V	1.8A	50.4W
PAH75S48 - 2.5	2.5V	17.5A	43.75W
PAH75S48 - 3.3	3.3V	17.5A	57.75W
PAH75S48 - 5	5V	15A	75.0W
PAH75S48 - 12	12V	6.3A	75.6W
PAH75S48 - 15	15V	5A	75.0W
PAH75S48 - 24	24V	3.2A	76.8W
PAH75S48 - 28	28V	2.7A	75.6W
PAH100S48 - 2.5	2.5V	23.4A	58.5W
PAH100S48 - 3.3	3.3V	23.4A	77.22W
PAH100S48 - 5	5V	20A	100.0W
PAH100S48 - 12	12V	8.4A	100.8W
PAH100S48 - 15	15V	6.7A	100.5W
PAH100S48 - 24	24V	4.2A	100.8W
PAH100S48 - 28	28V	3.6A	100.8W
PAH150S48 - 2.5	2.5V	35.0A	87.5W
PAH150S48 - 3.3	3.3V	35.0A	115.5W
PAH150S48 - 5	5V	30.0A	150.0W
PAH150S48 - 12	12V	12.5A	150.0W
PAH150S48 - 15	15V	10.0A	150.0W
PAH150S48 - 24	24V	6.3A	151.2W
PAH150S48 - 48	28V	5.4A	151.2W
PAH200S48 - 12	12V	16.7A	200.4W
PAH200S48 - 15	15V	13.4A	201.0W
PAH200S48 - 24	24V	8.4A	201.6W
PAH200S48 - 28	28V	7.2A	201.6W

