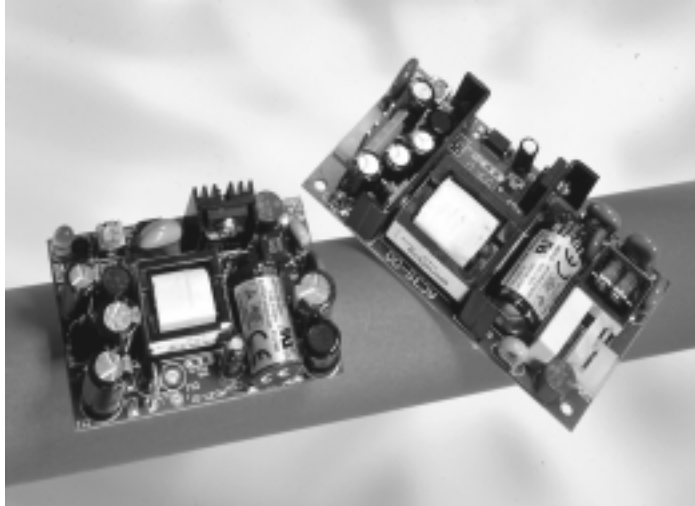


Open Frame Single Output Switchers

ACS SERIES

10-20 Watts



CE Marked LVD

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Universal Input

•

10 & 15 Watt PCB Mount

•

Rugged Design

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Low Cost

•

Small Size

•

International Safety Approvals

Specification

Input Voltage	• 85 to 264 VAC (110-370 V DC)
Input Frequency	• 47 to 63 Hz
Inrush Current	• 20 A @ 115 V AC or 40 A @ 230 V AC at 25 °C cold start
Input Current	• 0.8 A (rms) for 115 V AC, 0.5 A (rms) for 230 V AC
Output Voltage	• See Table
Voltage Adjustment	• $\pm 5\%$
Hold-up Time	• 16 msec typical (full load)
Line Regulation	• $\pm 0.5\%$ maximum at full load
Load Regulation	• (10% to full load) $\pm 1\%$ max.
Overvoltage Protection	• Typically 130% of max output automatic recovery
Efficiency	• See Tables
Operating Temperature	• 0 °C to 70 °C (Derate from full load @ 45 °C to half load @ 70 °C)
Storage Temperature	• -40 °C to +85 °C
Isolation	• Input to output 3000 V AC Input to ground 2500 V AC Output to ground 1000 V AC
EMC	• FCC20780 Level B, CISPR22 (EN55022) Class B
Safety requirements	• UL1950, CSA C22.2 No. 234, EN60950
MTBF	• 800,000 hrs MIL-HDBK-217F

Output Voltage & Current Ratings - 10 Watt Models					
Output Power	Output Voltage	Output Current		Efficiency	Model Number
		Nominal	Peak		
10 W	3.3 V	2500 mA	3800 mA	65%	ACS10US03
	5.0 V	2000 mA	2800 mA	70%	ACS10US05
	12.0 V	833 mA	1200 mA	75%	ACS10US12
	15.0 V	677 mA	1000 mA	75%	ACS10US15
	24.0 V	417 mA	650 mA	78%	ACS10US24

Output Voltage & Current Ratings - 15 Watt Models					
Output Power	Output Voltage	Output Current		Efficiency	Model Number
		Nominal	Peak		
15 W	3.3 V	3000 mA	4500 mA	70%	ACS15US03
	5.0 V	3000 mA	4500 mA	73%	ACS15US05
	12.0 V	1250 mA	1800 mA	80%	ACS15US12
	15.0 V	1000 mA	1500 mA	80%	ACS15US15
	24.0 V	630 mA	950 mA	82%	ACS15US24

Output Voltage & Current Ratings - 20 Watt Models					
Output Power	Output Voltage	Output Current		Efficiency	Model Number
		Nominal	Peak		
20 W	3.3 V	4400 mA	6600 mA	70%	ACS20US03
	5.0 V	4400 mA	6600 mA	73%	ACS20US05
	12.0 V	1800 mA	2700 mA	80%	ACS20US12
	15.0 V	1400 mA	2100 mA	80%	ACS20US15
	24.0 V	920 mA	1400 mA	82%	ACS20US24

