

KEY FEATURES

- Switching Power Modules for PCB Mounting
- Fully Encapsulated Plastic Case
- Universal Input Range 90-260VAC, 47-440 Hz
- Regulated Output
- Low Ripple and Noise
- High Efficiency
- CE, cUL, TUV, CB Approvals
- 2-Year Product Warranty

**ELECTRICAL SPECIFICATIONS**

Model No. (Single Output)		ASC-3.3S	ASC-5S	ASC-12S	ASC-15S	ASC-24S
Max output wattage (W)		20W	30W	30W	30W	30W
Input	Voltage	90-260 VAC or 120-370 VDC				
	Frequency (Hz)	47-440 Hz				
	Current (Full load)	520 mA max. (115 VAC) / 320 mA max. (230 VAC)				
	Inrush current (<2ms)	10 A max. (115 VAC) / 20 A max. (230 VAC)				
	Leakage Current	0.75 mA max.				
	External fuse (recommend)	1.5 A slow blow type				
Output	Voltage (V.DC.)	3.3V	5V	12V	15V	24V
	Voltage accuracy	±2%	±2%	±2%	±2%	±2%
	Current (mA) max	6000	6000	2500	2000	1250
	Line regulation (typ.)	±1%	±1%	±1%	±1%	±1%
	Load regulation (5-00%) (typ.)	±1%	±1%	±1%	±1%	±1%
	Minimum load	5%	4%	2%	2%	2%
	Maximum capacitive load	470-23,000µF depending on model				
	Ripple & Noise	<0.5% Vout +50mV max (Vp-p)				
	Efficiency	73%	80%	84%	84%	84%
	Hold-up time	15 ms min.				
	Switching frequency	100 kHz	100 kHz	100 kHz	100 kHz	100 kHz
Protection	Over current protection	Hiccup technique, auto-recovery				
	Over voltage protection	Zener diode clamp				
	Short circuit protection	Hiccup mode, indefinite (automatic recovery)				
Isolation	Input-Output (V.AC)	3000 V	3000 V	3000 V	3000 V	3000 V
Environment	Operating temperature	-25°C...+71°C				
	Storage temperature	-40°C...+85°C				
	Temperature coefficient	0.02%/°C	0.02%/°C	0.02%/°C	0.02%/°C	0.02%/°C
	Humidity	95% RH				
	MTBF	>200,000 h @ 25°C (MIL-HDBK-217F)				
Physical	Dimension (L x W x H)	3.5 x 2.5 x 0.98 Inches (89.0 x 63.5 x 25.0 mm)				
	Case Material	Plastic resin + Fiberglass (flammability to UL 94V-0)				
	Weight	220 g				
	Cooling method	Free air convection				
Safety	Agency approvals	UL/cUL, CE, TUV, CB				
EMC	EMI (Conducted & Radiated Emission)	EN 55022 class B				
	EMS (Noise Immunity)	EN 55024				

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.