

AC-DC ITE Power Module

30 Watt

eASC Series



- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90-264 VAC, 47-440 Hz
- ◆ Regulated Output and Low Ripple and Noise
- ◆ -40°C Starting
- ◆ Isolation Class II
- ◆ CE, CB, UL Approvals
- ◆ 3-Year Warranty

Input Specifications	
Voltage Range	90 ~ 264 VAC or 120~370 VDC
Frequency	47~440Hz
Output Specifications	
Output Power	30 Watt (max.) Single:± 2%
Voltage Accuracy (Full Load and Nominal Vin)	Single: ±2% Dual: ±5% 5S12S, Triple: ±2% / ±5%
Minimum Load	1% to 20% (at Full Load)
Line Regulation (LL to HL at Full Load)	Single: ±1% (typ.) Dual: ±1% (typ.)
Load Regulation	5S12S, Triple: ±1% / ±5% (typ.) Single: ±1% (8% to 100% at Full Load) (typ.) Dual: ±3% (20% to 100% at Full Load) (typ.) 5S12S: ±2% / ±6% (20% to 100% at Full Load) (typ.) Triple: ±2% / ±6% (20% to 100% at Full Load) (typ.)
Ripple (20MHz bandwidth)	<0.2% Vout +40mV (Vp-p) (max.)
Noise (20MHz bandwidth)	<0.5% Vout +50mV (Vp-p) (max.)
Temperature Coefficient	±0.02% /°C (max.)
Short Circuit Protection	Hiccup mode, indefinite (Automatic recovery)
General Specifications	
Efficiency (see table list)	75% to 82% (typ.)
Isolation Voltage	3000 VAC (min.)
Isolation Resistance	10 ⁹ Ω (Input to Output) (min.)
Operating Temperature	-40°C to +70°C (With Derating)
Storage Temperature	-40°C to +85°C
Humidity	95% RH (max.)
Cooling	Free-air Convection
Physical Specifications	
Dimension (Tolerance ±0.5 mm)	89.5 x 64.1 x 25.0 mm 3.52 x 2.52 x 0.98 inches
Weight	212 g
Case Material	Plastic resin (flammability to UL 94V-0)

Model

eASC Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
eASC-3.3S	90~264	3.3	6000	75
eASC-5S	90~264	5	6000	79
eASC-12S	90~264	12	2500	82
eASC-15S	90~264	15	2000	82
eASC-24S	90~264	24	1250	82

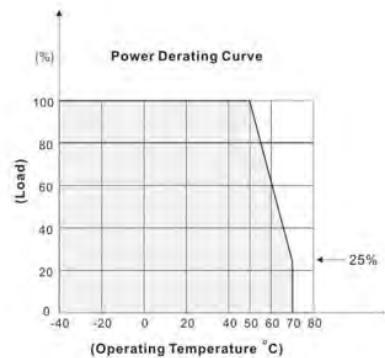
eASC Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
eASC-5D	90~264	±5	±3000	79
eASC-12D	90~264	±12	±1250	82
eASC-15D	90~264	±15	±1000	80
eASC-5S12S	90~264	5 / 12	3000 / 1250	79

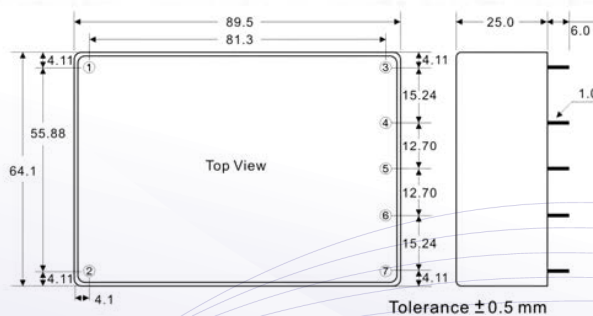
eASC Triple Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
eACS-5S12D	90~264	5 / ±12	3000 / ± 630	79
eACS-5S12D	90~264	5 / ±15	3000 / ±500	78

Derating



Outline Dimensions & Pin Connections



Pin #	1	2	3	4	5	6	7
Single	AC IN (N)	AC IN (L)	+DC OUT	NO PIN	-DC OUT	NO PIN	NO CONNECT
Dual	AC IN (N)	AC IN (L)	+DC OUT	NO PIN	COMMON	NO PIN	-DC OUT
5S12S	AC IN (N)	AC IN (L)	+12V OUT	+5V OUT	+12V RTN	+5V RTN	NO PIN
Triple	AC IN (N)	AC IN (L)	+DC OUT	+5V OUT	COMMON	+5V RTN	-DC OUT

The specification printed on the catalog is for promotion purpose. Please get detailed spec from Sales for final version.
TEL: 866-Eurasia (866-387-2742) - www.EurasiaPower.com