

FEATURES **Single, Dual Output**



- High Efficiency
- Small, Compact Size
- Universal Input
- Surface Mounting Technology
- Built-in EMI Filter
- Inrush Current Limit
- Adjustable Output Voltage (Output1)
- Output Over Current Protection
- Output Over Voltage Protection
- Over Temperature Protection
- Low Output Ripple / Noise
- Isolated Output
- 2 Years Warranty

ELECTRICAL SPECIFICATIONS

Input	<ul style="list-style-type: none"> • Voltage AC 90V - 264V (or DC 110 - 340V) (NOTE) • Current 0.89A Max. • Frequency 47 - 440Hz Max. (50 - 60Hz typ.) • Efficiency 72 - 79% Typ. • Inrush Current (at cold start) 30A Max. @110Vac / 60A Max. @220Vac • Leakage Current 0.5mA Max. @110Vac / 0.75mA Max. @220Vac
Output	<ul style="list-style-type: none"> • Output Voltage Tolerance $\pm 10\%$ Typ. @Output1 • Ripple and Noise $\pm 1.0\%$ Max. • Line Regulation $\pm 1.0\%$ Max. • Load Regulation $\pm 1.0\%$ Max. @Output1 / $\pm 2.0\%$ Max. @Output2 • Dynamic Load Regulation $\pm 3.0\%$ Max. @Output1 • Temperature Drift $\pm 1.0\%$ Typ. • Rising Time 100ms Max. • Holding Time 17ms Min. • Min Load Output1 Current > Output2 Current (Dual)
Protection Circuit	<ul style="list-style-type: none"> • Over Current Protection Work Over 105% of Rating (Recovers Automatically) • Over Voltage Protection Work at 115~140°C of Rating (Latch-Up Mode) • Over Temperature Protection 80°C Min.
Electrically Isolated	<ul style="list-style-type: none"> • Input - Output AC 3KV, 1min. 10mA / DC 500V, 100M Min. • Input - FG AC 2KV, 1min. 10mA / DC 500V, 100M Min. • Output - FG AC 0.5KV, 1min. 10mA / DC 500V, 70M Min.

NOTE For cases where conformance to various safety specs (UL, CSA, CE, etc) are required, input voltage and frequency range will be 100-240VAC, 50/60Hz.

ENVIRONMENTAL

- Operating Temperature Range -10°C ~ 60°C
- Operating Humidity (Non-Condensing) 20% ~ 90%RH
- Storage Temperature Range -20°C ~ 70°C
- Storage Humidity (Non-Condensing) 20% ~ 90%RH
- Vibration 10 ~ 55Hz at 2G 3Minutes Period
- Impact 20G for 11ms, once on each X, Y and Z-axis
- Cooling Method Convection
- MTBF (MIL-HDBK-217F) 2.1 X 10⁵ hrs
- Safety (Single Output)
 - UL (UL 60950), CSA C22.2 (NO.60950) : E227474
 - CB (IEC 60950) / CE_LVD (EN 60950) through TÜV
- Noise Meets CISPR22-B / FCC class B

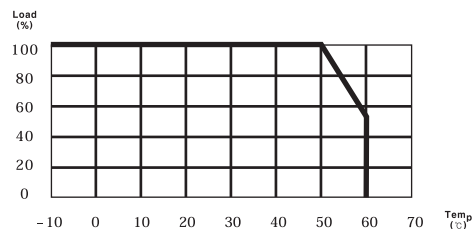
ORDERING INFORMATION

Input	Output1	Output2	Maximum Power	Ripple&Noise Max.	Efficiency Typ.	Model Number
AC 90 ~ 264V or DC 120 ~ 340V	3.3V@6.00A		19.80W	30mVp-p	72%	CS30-3R3
	5V@6.00A		30.00W	50mVp-p	73%	CS30-5
	12V@2.50A		30.00W	100mVp-p	75%	CS30-12
	15V@2.00A		30.00W	120mVp-p	78%	CS30-15
	24V@1.50A		36.00W	150mVp-p	79%	CS30-24
	5V@3.00A	+5.0V@3.00A	30.00W	50/50mVp-p	75%	CD30-55
	5V@3.00A	+12.0V@1.20A	29.40W	50/120mVp-p	77%	CD30-52
	5V@3.00A	+15.0V@1.00A	30.00W	50/150mVp-p	77%	CD30-5F
	5V@3.00A	+24.0V@0.60A	29.40W	50/200mVp-p	78%	CD30-54
	12V@1.20A	+12.0V@1.20A	28.80W	120/120mVp-p	78%	CD30-1212
	15V@1.00A	+15.0V@1.00A	30.00W	150/150mVp-p	78%	CD30-1515

PIN ASSIGNMENTS

Connector	Single	Dual
CN 1	1. AC(L)	1. AC(L)
	2. AC(N)	2. AC(N)
	3. FG	3. FG
	4. - V	4. - V ₂
	5. +V	5. +V ₂
		6. - V ₁
		7. +V ₁

DERATING CURVE



DIMENSION

