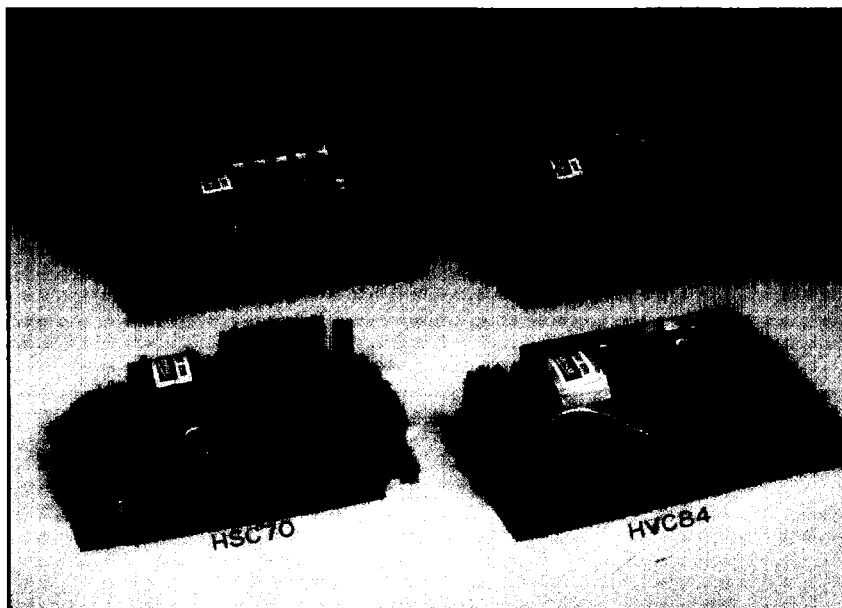


60 - 80 Watt Multiple Output

- Compact size
- High efficiency
- 115/230 Vac input dual selectable
- Main output overvoltage protection
- Short circuit foldback protection
- Built-in EMI filter
- 100% burn-in under high ambient temperature for at least 24 hours
-  UL recognition and European safety design
- Open PCB, L-bracket or enclosure construction
- UL File No. E82453 (S)
- CSA Certificate No. LR-62245-1 for HSC 80W Series/HVC 84 Series meets VDE 0871 Class B



Specifications

Input

Input Voltages 90V to 130V (115V Nominal)
 180V to 260V (230V Nominal). Jumper Selectable.
 Input Frequency 47—440HZ
 Inrush Current 20A Maximum Peak At Cold Start
 Fuse on Input Line 2A 250V

DIELECTRIC WITHSTAND:

OPTION: EUROPEAN SAFETY

3750VAC For 1 Minute Input/Output
 1250VAC For 1 Minute Input/Safety GND
 500VAC For 1 Minute Output/Safety GND

OPTION: UL/CSA SAFETY

1500VAC For 1 Minute Input/Output
 1500VAC For 1 Minute Input/Safety GND
 500VAC For 1 Minute Output/Safety GND

Ambient Temperature Range 0 °C — 70 °C (Operating).
 —20 °C — 85 °C (Storage).
 Temperature Coefficient 0.02 % / °C on — 5V
 0.05 % / °C on Other Outputs
 Efficiency 70 % (Typical)
 Full Output Rating 0 °C — 50 °C (Derated to 50 % at 70 °C)
 Cooling Convection
 Hold-Up Time 20msec. Minimum at Full Load & Nominal Input Voltage
 Transient Response Output voltage returns in less than 1 millisecond max.
 Following A 50 % load change.

MTBF Greater Than 35K Hours At Typical Load At 25 °C Ambient. Calculated According to MIL-HDBK-217 C

Output

Output Voltages See Rating Chart
 Output Current See Rating Chart
 Line Regulation 0.4% Typical highline/Lowline Full Load.
 Load Regulation 2% Typical for Main Output (+5V)
 5% Typical for Aux Output Without P.R.
 1.5% Typical for Aux Output With P.R.
 (50% to 100% of Load Change)
 Cross Regulation 0.2 % Typical on + 5V When Any Output Changed From 50 % to 100 % of Rated Load.
 5 % Typical on Other Outputs When + 5V Output Changed From 50 % to 100 % of Rated Load.
 1 % Typical on Other Output When Any Other Output Excluding + 5V is Changed From 50 % to 100 % of Rated Load.
 Output Voltage Adjustment From 4.5V to OVP Trip Point on + 5V
 Nominal Output Voltage ± 5 % on Other Outputs When + 5V is Set at 5.00V
 Peak to Peak Typical 1 % , Maximum 2 %
 Noise and Ripple See Rating Chart
 Minimum Load See Rating Chart
 Overvoltage Protection 6.2V ± 0.4V on + 5V
 Overcurrent Protection Maximum Current Cannot Be Drawn From All Outputs at The Same Time. The Overcurrent Protection Feature Will Reduce All Output Voltage to A safe Dissipation Level When The Average Power Rating Exceeds 125 % Of Maximum Power. The Overload Feature Will Also Protect Against Short Circuit on Any Output.

VOLTAGE/CURRENT RATING CHART

MODEL NO.	D.C. OUTPUT CURRENT (AMP.) AT 50 °C				CONSTRUCTION	MAX. OUTPUT
	MAIN OUTPUT TYP. MAX	SELECTABLE AUXILIARY OUTPUTS				
		TYP MAX.	TYP. MAX.	TYP. MAX.		
HSC60P SERIES	V01 +5V★	+V02 †	+V03●	-V04●	PCB	60W
HSC60-20P	5A 8A	3A +12V 3A			PCB	60W
HSC60-30P	5A 8A	2.0A +12V 3A	1A -12V 1A		PCB	60W
HSC60-31P	5A 8A	2.0A +12V 3A	1A -5V 1A		PCB	60W
HSC60 SERIES	V01 +5V★	+V02 †	±V03●	-V04●	L-BRACKET/BOX	60W
HSC60-30	5A 8A	2.5A +12V 3A	0.5A ±12V 1A		L-BRACKET BOX	60W
HSC60-31	5A 8A	2.5A +12V 3A		0.5A ±5V 1A	L-BRACKET BOX	60W
HSC60-35	6A 8A	1.8A +12V 3A		0.2A ±15V 1.5A	L-BRACKET BOX	60W
HSC60-40	5A 8A	2.5A +12V 3A	0.5A ±12V 1A	0.5A ±5V 1A	L-BRACKET BOX	60W
HSC60-44	5A 8A	2.0A +12V 3A	0.5A ±12V 1A	0.5A ±12V 1A	L-BRACKET BOX	60W
HSC60-46	6A 8A	1A +12V 3A	0.6A ±15V 1A	0.6A ±15V 1A	L-BRACKET BOX	60W
HSC60-47	4A 8A	1.2A +12V 3A	1A ±12V 1A	0.5A ±15V 1A	L-BRACKET BOX	60W
HSC70 SERIES	V01 +5V★	+V02 †	±V03●	-V04●	PCB	70W
HSC70-30	8A 10A	2A +12V 3A	1A -12V 1A		PCB	70W
HSC70-31	8A 10A	2A +12V 3A	1A -5V 1A		PCB	70W
HSC70-32	8A 10A	2A +15V 3A	1A -15V 1A		PCB	70W
HSC80 SERIES	V01 +5V★	+V02 †	±V03●	-V04●	L-B/BOX	75W
HSC80-30	8A 10A	2A +12V 3A	0.5A ±12V 1A		L-B BOX	75W
HSC80-31	7A 10A	2A +12V 3A		0.5A ±5V 1A	L-B BOX	75W
HSC80-32	6A 10A	1.5A +12V 3A	0.5A ±12V 1A		L-B BOX	75W
HSC80-33	4A 10A	1.5A +12V 3A	1.5A ±15V 1A		L-B BOX	75W
HSC80-34	6A 10A	1.5A +12V 3A	1.5A ±15V 1A		L-B BOX	75W
HSC80-36	4A 10A	1.5A +12V 3A	1.1A ±15V 1A		L-B BOX	75W
HSC80-40	8A 10A	2A +12V 3A	0.5A ±12V 1A	0.5A ±5V 1A	L-B BOX	75W
HSC80-41	6A 10A	2A +12V 3A	1A ±12V 1A	0.5A ±12V 1A	L-B BOX	75W
HSC80-42	4A 10A	2A +12V 3A	1A ±24V 1.5A	0.5A ±12V 1A	L-B BOX	75W
HSC80-43	6A 10A	1A +12V 3A	1A ±15V 1A	1.0A ±15V 1A	L-B BOX	75W
HVC84 SERIES	V01 +5V★	+V02 †	+V03●	-V04●	PCB	80W
HVC84-30	8A 12A	3A +12V 3A		0.5A ±12V 1A	PCB	80W
HVC84-31	8A 12A	3A +12V 3A		0.5A ±5V 1A	PCB	80W
HVC84-32	8A 12A	1.5A +12V 3A		0.5A ±12V 1A	PCB	80W
HVC84-33	6A 12A	1.5A +12V 3A	1A ±12V 1A		PCB	80W
HVC84-41	8A 12A	2A +12V 3A	1A ±12V 1A	0.5A ±12V 1A	PCB	80W
HVC84-42	8A 12A	2A +12V 3A	0.5A ±24V 1.5A	0.5A ±12V 1A	PCB	80W

★ OVP Built-in
● With 3-T post regulator
† V02 overlapping on V01 main output

Mechanical Dimensions mm(inches)

