

SPECIFICATIONS

Power Supply Section

Input voltage AC120V/220V or 220V/240V $\pm 10\%$
50/60 Hz

Output voltage DC 13.8V (standard voltage)

Output current 20A (intermittent load 50% duty cycle)

Continuous load current . . . 15A max. (inclusive of external output terminal)

Output voltage fluctuation. . Within $\pm 0.7V$ at AC 120V, 220V, 240V
 $\pm 10\%$ (Load current: 15A) Within 0.7V
at 2~15A of load current (No-load
output voltage: Less than 16V at AC
120V, 220V, 240V)

Ripple voltage Less than 20 mV (rms). output current
15A

Power consumption. Approx. 470W at AC 120V, 220V,
240V. (Load current: 20A)

General

Dimensions 180(7" - 1/16)W x 133(5" - 1/4)H x 287
(11" - 5/16)D mm (inch)

Weight Approx. 8.9kg (19.6 lbs.)

NOTE: The circuit and ratings may change without notice due to
developments in technology.

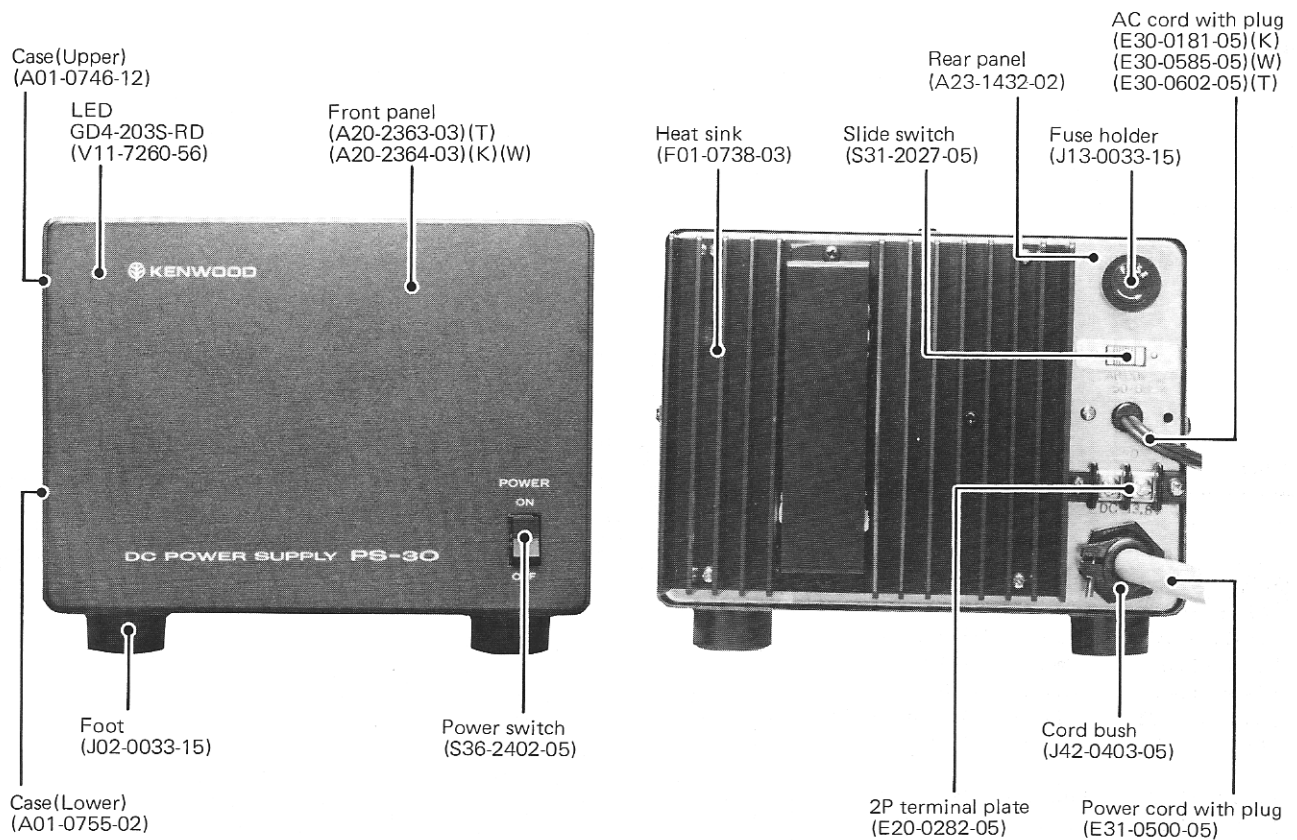
PARTS LIST

☆: New parts

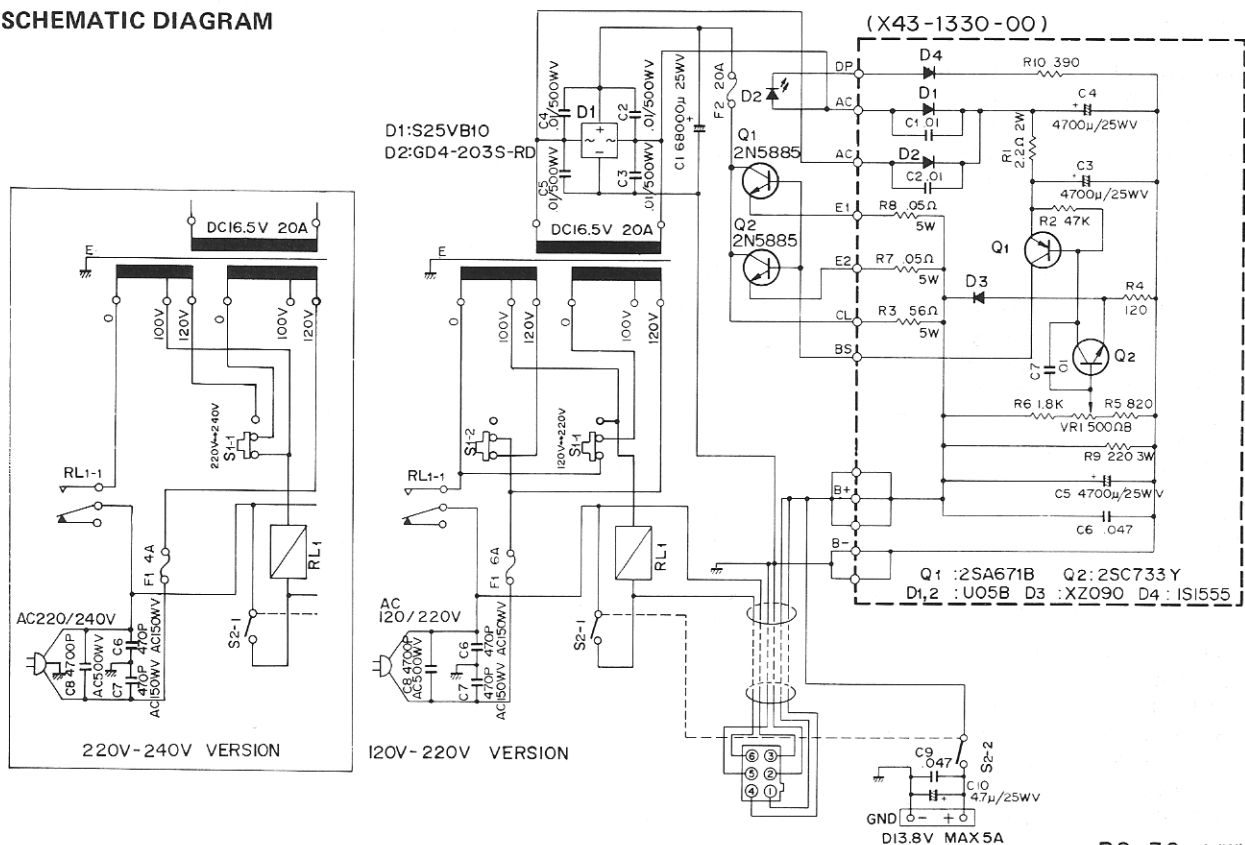
Ref. No.	Parts No.	Description	Re- marks
GENERAL			
C1	C90-0813-05	Electrolytic 6800 μ F 25WV	☆
C2~5	CK45E2H103P	Ceramic 0.01 μ F +100, -0%	
C6,7	C90-0300-05	Ceramic 470pF AC150WV	
C8	C91-0412-05	Ceramic 4700pF AC500WV	
C9	CK45F1H473Z	Ceramic 0.047 μ F +80% -20%	
C10	CE04W1E4R7	Electrolytic 4.7 μ F 25WV	
Q1,2	V08-1012-06	Transistor 2N5885	☆
D1	V11-1365-06	Diode S25VB10	☆
—	V11-7260-56	LED GD4-203S-RD	☆
RL1	S51-1406-05	Relay	☆
—	A01-0746-12	Case (upper)	☆
—	A01-0755-02	Case (Lower)	☆
—	A20-2363-03	Front panel (T)	☆
—	A20-2364-03	Front panel (K.W)	
—	A23-1432-02	Rear panel (K)	☆
—	A23-1433-02	Rear panel (W.T)	
—	B46-0058-00	Warranty card (K)	
—	B50-2652-10	Operating manual (K.W)	☆
—	B50-2656-00	Operating manual (T)	
—	E20-0282-05	2P Terminal plate	
—	E22-0207-05	Lug plate x 3	
—	E30-0181-05	AC cord with plug (K)	
—	E30-0585-05	AC cord with plug (W)	
—	E30-0602-05	AC cord with plug (T)	
—	E31-0500-05	Power cord with plug	☆
—	F01-0738-03	Heat sink	☆
—	F05-2035-15	Fuse (20A)	☆
—	F05-6021-05	Fuse (6A) x 2 (K)	
—	F05-4022-05	Fuse (4A) x 2 (W.T)	
—	H01-2624-04	Carton case (inside) (K)(W)	☆
—	H01-2625-04	Carton case (inside) (T)	
—	H03-1711-04	Carton case (outside) (T)	
—	H03-1712-04	Carton case (outside) (K)	
—	H03-1726-04	Carton case (outside) (W)	
—	H10-2523-02	Styren foam cushion (F)	☆
—	H10-2524-02	Styren foam cushion (R)	☆
—	H12-0455-04	Cushion	☆
Ref. No.	Parts No.	Description	Re- marks
—	H20-1413-03	Protective cover	☆
—	H25-0029-04	Protective bag (60 x 110mm)	
—	J02-0049-14	Leg x 6	
—	J13-0033-15	Fuse holder	
—	J19-0509-04	LED holder	
—	J32-1030-14	Round boss x 2	
—	J41-0006-05	Cord bush (K)	
—	J41-0024-15	Cord bush (W.T)	
—	J42-0403-05	Cord bush (W)(T)(K)	
—	J61-0019-05	Vinyle tie x 7	
—	L01-8066-15	Power transformer	☆
—	X43-1330-00	AVR Unit	☆
—	S31-2027-05	Slide switch	
—	S36-2402-05	Power switch	☆
AVR UNIT (X43-1330-00)			
C1,2	CK45F1H103Z	Ceramic 0.01 μ F +80% -20%	☆
C3~5	C90-0814-05	Electrolytic 4700 μ F 25WV	
C6	CK45F1H473Z	Ceramic 0.047 μ F +80% -20%	
C7	CK45F1H103Z	Ceramic 0.01 μ F +80% -20%	
R2~10	RD14BB2E000J	Carbon resistor 000 Ω $\pm 5\%$ 1/4W	
R1	RS14GB3D2R2J	Resistor (Metal film) 2.2 Ω $\pm 5\%$ 2W	
R3	R92-0622-05	Resistor (cement) 56 Ω 5W	
R7,8	R92-0619-05	Resistor (cement) 50m Ω 5W	
R9	RS14GB3F221J	Resistor (metal film) 220 Ω $\pm 5\%$ 3W	
Q1	V01-0139-05	Transistor 2SA671TDB	
Q2	V03-0183-05	Transistor 2SC733 (Y)	
D1,2	V11-0270-05	Diode U05B	
D3	V11-4167-06	Zener diode XZ-090	
D4	V11-0076-05	Diode 1S1555	
VR1	R12-0042-05	Potentiometer 500 Ω (B)	

PS-30

OUTSIDE VIEWS



SCHEMATIC DIAGRAM



PS-30(K).(W)