



23000 Series Seatures:

- Industry standard sizes
- 3.75KV isolation safety transformer
- Safety covers available
- Remote sense on most outputs
- Overload protection on all units
- Faston & solder input / output connections
- Meets: EN60950, UL 1950, & UL544. CE marked

Single Output				Dual & Triple Output				
Output Volts	Output Amps	Case Size	Model Type	Output 1	Output 2	Output 3	Case Size	Model Type
5	3.0	A	23005A	5v 1.5A	-5V 1.5A		AA	23205A*
5	6.0	B	23005B					
5	9.0	C	23005C	12V 0.4	12V 0.4		A	23212Z
5	12.0	D	23005D					
5	18.0	E	23005E	12V 1.0A	-12V 1.0 or -5V 0.4		AA	23212A
12	1.7	A	23012A					
12	3.4	B	23012B	12V 1.7A	-12V 1.7 or -5V 0.7		BB	23212B
12	5.1	C	23012C					
12	6.8	D	23012D					
12	10.2	E	23012E	12V 3.4A	-12V 3.4		CC	23212C
12	16	F	23012F					
15	1.5	A	23015A	12/15V 5.0A	-12/15V 5.0		E	23215D
15	3.0	B	23015B					
15	4.5	C	23015C	15V 0.4A	-15V 0.4A		A	23215Z
15	6.0	D	23015D					
15	9.0	E	23015E	12V 1.0A or 15V 0.8A	-12V 1.0A or -15V 0.8 or -5V 0.4A		AA	23215A
15	15.0	F	23015F					
24	1.2	A	23024A					
24	2.4	B	23024B	12V 1.7A or 15V 1.5A	-12V 1.7A or -15V 1.5V or -5V 0.4A		BB	23215B
24	3.6	C	23024C					
24	4.8	D	23024D	12V 3.4A or 15V 3.0A	-12V 3.4A or -15V 3.0A		CC	23215C
24	7.2	E	23024E					
24	10.0	E	23024E/10	12V 5.0A	-12V 5.0A		E	23215D
24	12.0	F	23024F	or 15V 5.0A	or -15V 5.0A			
28	1.0	A	23028A	5V 2.0A	9-15V 0.4A	-9-15V 0.4A or -5V 0.4A	AA	23305A
28	2.0	B	23028B					
28	3.0	C	23028C					
28	4.0	D	23028D	5V 3.0A	12V 1.0A or 15V 0.8A	-12V 1.0A or -15V 0.8A or -5V 0.4A	AAA	23305B
28	6.0	E	23028E					
28	10.0	F	23028F	5V 6.0A	12-15V 1.0A	-12-15V 1.0A or -5V 0.4A	D	23305C*
48	0.5	A	23048A*					
48	1.0	B	23048B*					
48	3.0	D	23048D*	5V 6.0A	12V 1.7A or 15V 1.5A	-12V 1.7A or -15V 1.5A or -5V 0.7A	BBB	23305D
48	4.0	E	23048E*					
60	0.4	A	23060A*	5V 8.0A	12V 1.7A or 15V 1.5A	-12V 1.7A or -15V 1.5A or -5V 0.7A	131	23305E
60	0.8	B	23060B*					
60	2.0	D	23060D*					
150	0.15	A	23150A*	5V 12.0A	12-V 1.7A or 15V 1.5A	-12V 1.7A or -15V 1.5A or -5V 0.7A	DBB	23305F
180	0.15	A	23180A*					
200	0.125	A	23200A*	5V 12.0A	12V 3.4A or 15V 3.0A	-12V 3.4A or -15V 3.0A	DCC	23305G
250	0.10	A	23250A*					

* denotes no remote sensing

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Specifications

AC Input	100/120/220/240 Vac. +10%-12%, 47-63 Hz. tap selectable.
Line Regulation	±0.05% of output voltage for a 10% line change
Load Regulation	±0.05% of output voltage for a 50% load change
Ripple and Noise	5mV for outputs of 2 to 15 volts. 0.02% for other outputs (pk.-pk. max)
Temperature Range	0°C to +70°C (above 40°C derate linearly to 40% @ 70°C) operating. -40°C option available
Transient Response	50 µS max excursion for 50% load change
DC Output Adjust	±5% minimum