

Voltage Regulators Selection Chart

	Regulator Model	Field Rated Volts	Field Rated Amps	Field Minimum Ohms	Field Forcing Volts	Sensing Circuit Ratings						Power Input Ratings			Regulation Accuracy(±)	Parallel Compensation	Frequency Compensation	Over Excitation	Special Characteristics	Regulator Model	
						1 PH	3 PH	Burden-VA	Volts	Frequency		Volts	Freq.	Burden-VA							
DIGITAL	DECS-300	Drives external bridges of any size				Standard	Standard	<1	120/240	50/60		24Vdc 120Vac 125Vdc	--- 50/60Hz ---	20W 5.0VA 30W	0.25%	Standard	Standard	Standard	Micro-based, programmable stability, multifunction, autotracking, redundant capability	DECS-300	
	DECS-200	32 63 125	15	2.13 4.2 8.3	50 100 200	Standard	Standard	<1	NOTE 1	50/60		60 120 240	50-500	1570 2995	0.25%	Standard	Standard	Standard	Based on DECS-300 with EDM, oscillography, seq. of events recording & autotracking option	DECS-200	
	DECS-100	63	7	9	130	Standard	Standard	<1	120-600	50/60		120	50-400	650	0.25%	Standard	Standard	Standard	Low cost micro-based	DECS-100	
	DECS32-15	32	15	2.13	50	Standard	Standard	1		50/60		60	50-400	780	0.2%	Standard	Standard	Shutdown	Microbased, programmable	DECS32-15	
	DECS63-15	63	15	4.2	100	Standard	Standard	1	NOTE 1	50/60		120	50-400	1570	0.2%	Standard	Standard	Shutdown	stability networks	DECS63-15	
	DECS125-15	125	15	8.3	200	Standard	Standard	1		50/60		240	50-400	2995	0.2%	Standard	Standard	Shutdown	multifunction	DECS125-15	
ANALOG	AVC63-2	63	2	32	100	Standard	No	N/A	208/240	50/60		240	50/60	350	1.0%		None	None	Encapsulated	AVC63-2	
	AVC63-2.5	63	2.5	25	100	Standard	No	N/A	208/240	50/60		240	50/60	350	1.0%		Standard	None	Encapsulated	AVC63-2.5	
	AVC63-4	63	4	15	105	Standard	No	N/A	208/240	50/60		240	50/60	500	1.0%		Standard	Shutdown	Encapsulated	AVC63-4	
	AVC63-4A	63	4	15	90	Standard	No	10	120/240	50/60		120	50/60	450	1.0%		Standard	Standard	Encapsulated	AVC63-4A	
	AVC63-4D	63	4	15	105	Standard	No	N/A	208/240	50/60		240	50/60	500	1.0%		Standard	Shutdown	Encapsulated, w/pots. down	AVC63-4D	
	AVC63-7	63	7	9	105	Standard	No	<5	280/240	50/60		240	50/60	900	0.25%	Standard	Standard	Shutdown	Encapsulated	AVC63-7	
	AVC63-12	63	12	5	100	Standard	Standard	<1	120/240	50/60 or 400		120	50-400	1092	1.0%	Standard	Standard	Standard	High power, low cost	AVC63-12	
	AVC110-6	110	6	18.3	200	Standard	No	1	480	50/60		240	50-125	800	0.5%	Standard	Standard	Standard	Aux. Input +/-3Vdc	AVC110-6	
	AVC110-6B	110	6	18.3	200	Standard	No	1	240	50/60		240	50-125	800	0.5%	Standard	Standard	Standard	Aux. Input +/-3Vdc	AVC110-6B	
	AVC125-10	125	10	12.5	200	Standard	Standard	<1	120/240	50/60 or 400		240	50-400	1750	1.0%	Standard	Standard	Standard	Rugged design	AVC125-10	
	VR63-4/UL	63	4	15	105	Standard	No	N/A	208/240	50/60		240	50/60	500	1.0%	NOTE 2	Standard	Shutdown	As above, UL recognized	VR63-4/UL	
	VR63-4A/UL	63	4	15	105	Standard	No	1	120	50/60		240	50/60	500	1.0%		Standard	Shutdown	As above, UL recognized	VR63-4A/UL	
	APR63-5/UL	63	5	12.6	100	Standard	No	5	208/240	50/60		277	50/60	650	0.25%	Accessory	Standard	Shutdown	As above, UL recognized	APR63-5/UL	
	APR125-5	125	5	25	200	Standard	No	1	416/480	50/60		277	50/60	1000	0.25%	Accessory	Standard	Shutdown	Encapsulated	APR125-5	
	SSR32-12	32	12	2.5	50	Standard	Standard	10		50/60		139	50-240	700	0.25%	Standard	Standard	Shutdown	Encapsulated circuitry	SSR32-12	
	SSR63-12	63	12	5	100	Standard	Standard	10	NOTE 1	or		139	50-240	1200	0.25%	Standard	Standard	Shutdown	UL recognized	SSR63-12	
	SSR125-12	125	12	10	200	Standard	Standard	10		400		277	50-240	2400	0.25%	Standard	Standard	Shutdown		SSR125-12	
	AEC63-7	63	7	9	103	Standard	No	1	240/480	50/60		240	50-400	1100	1.0%	Standard	Standard	Tripping	Encapsulated	AEC63-7	
	AEC42-7	42	7	6	90	Standard		<1	200/252	50/60		240	50/60	<900	<1.0%	Standard	Standard	Shutdown	Powers from Aux winding	AEC42-7	
	SR4A	63	7	9	90	Standard	Optional	10		50/60		120	50/60	840	0.5%	Standard	Accessory	None	Easy user serviceability	SR4A	
	SR8A	125	7	18	180	Standard	Optional	10		50/60		240	50/60	1680	0.5%	Standard	Accessory	None	Easy user serviceability	SR8A	
	SR32A	32	20	1.6	45	Standard	Optional	10	NOTE 1	50/60		60	50/60	1200	0.5%	Standard	Accessory	None	Easy user serviceability	SR32A	
	SR6A	63	7	9	90	Standard	Optional	10		400		120	400	840	0.5%	Standard	Not Available	None	As above, 400 Hz generators	SR6A	
	SR9A	125	7	18	180	Standard	Optional	10		400		240	400	1680	0.5%	Standard	Not Available	None	As above, 400 Hz generators	SR9A	
	SR32H		32	20	1.6	45	Standard	Standard		10		50/60	60	50/60	50/60	1000	0.25%	Standard	Accessory	Limiting	SR32H
	SR32E	32	36	0.89	45	Standard	Standard	10		50/60		60	50/60	2000	0.25%	Standard	Accessory	Limiting		SR32E	
	SR63H		63	20	3.2	90	Standard	Standard		10		50/60	120	50/60	50/60	2000	0.25%	Standard	Accessory	Limiting	SR63H
SR63E	63	36	1.75	90	Standard	Standard	10	NOTE 1	50/60		120	50/60	3500	0.25%	Standard	Accessory	Limiting	User selectable stability	SR63E		
SR125H	125	20	6.2	180	Standard	Standard	10		50/60		240	50/60	4000	0.25%	Standard	Accessory	Limiting	circuit	SR125H		
SR125E	125	36	3.5	180	Standard	Standard	10		50/60		240	50/60	7000	0.25%	Standard	Accessory	Limiting		SR125E		
SR250H	250	20	12.5	360	Standard	Standard	10		50/60		480	50/60	8000	0.25%	Standard	Accessory	Limiting		SR250H		
SR250E	250	36	7	360	Standard	Standard	10		50/60		480	50/60	13500	0.25%	Standard	Accessory	Limiting		SR250E		

NOTE 1: 120/208/240/416/480/600 Volts

NOTE 2: This regulator is designed for systems that do not require paralleling. For paralleling applications, contact factory.