

F8 HIGH VA CURRENT MODULE

Two-channel phase current with color programmable LED rings

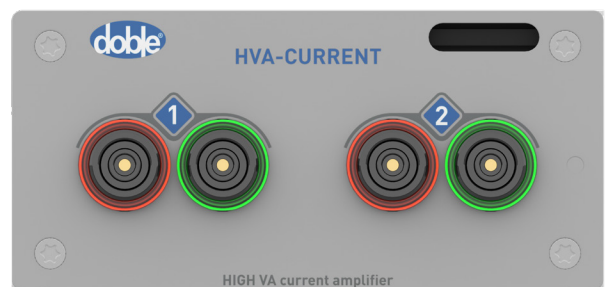
F8 modules take the guess work out of test connections and troubleshooting. A unique feature of these innovative modules is the programmable LED rings on the analog ports. The engineer or test technician can assign color combinations to the LED rings in Protection Suite and RTS software for visual indications when F8-series Power System Simulators are in use.



The HVA Current Module provides two 25 A sources at 150 VA each. When both sources are connected in parallel, 50 A at 300 VA continuous power is produced. Transient mode enhances the ratings of the HVA Current Module which extends the range up to 90 A at 300 VA for 30 seconds. DC output is 50 A.



Use Protection Suite and RTS software to set source configurations in the HVA Current Module and to assign colors to the LEDs for indicating correct test lead placements. For safety and to prevent hardware damage, the HVA Voltage Module automatically stops operating and the LEDs turn red when sensing open circuit conditions.



HVA Current Module Technical Data

Power	AMPLIFIER RANGES					
		Amps	Time	Volt-Amps	Compliance Voltage	Output Voltage
Power	Single	5 A	Continuous	150 VA	27.5 Vrms, 40 Vpk	30 Vrms
		10 A	Continuous	150 VA	27.5 Vrms, 40 Vpk	15 Vrms
		25 A	Continuous	150 VA	27.5 Vrms, 40 Vpk	6 Vrms
	Parallel	10 A	Continuous	300 VA	27.5 Vrms, 40 Vpk	30 Vrms
		20 A	Continuous	300 VA	27.5 Vrms, 40 Vpk	15 Vrms
		50 A	Continuous	300 VA	27.5 Vrms, 40 Vpk	6 Vrms
	Series	5 A	Continuous	300 VA	55 Vrms, 80 Vpk	60 Vrms
		10 A	Continuous	300 VA	55 Vrms, 80 Vpk	30 Vrms
		25 A	Continuous	300 VA	55 Vrms, 80 Vpk	12 Vrms
		45 A	Transient (30 seconds)	300 VA	55 Vrms, 80 Vpk	10 Vrms
	DC	25 A at 150 W (single channel) 50 A at 300 W (both channels)				
	Accuracy (50 Hz / 60 Hz @ 20 °C to 30 °C) ²				±0.15 % of reading + 0.05 % of range	
	Resolution				1 mA	
Frequency	Bandwidth				DC - 3 kHz	
	Range				1 kHz (DC)	
	Sine Signals				3 kHz (DC), derates 50 % at 10 kHz bandwidth	
	Harmonic, Inter-harmonic, Transient					
	Accuracy (50 Hz / 60 Hz) @ 20 °C to 30 °C @ -20 °C to 50 °C				1.5 ppm 10 ppm	
Resolution				1 mHz		
Phase	Range				-360° to +360°	
	Accuracy (50 Hz / 60 Hz) ⁴				< 0.05°	
	Resolution				0.01°	
General	THD (50 Hz / 60 Hz) ³				0.25 %	
	Connection				4 mm Banana, lighted (LED)	
	Dimensions				W: 4 ⁷ / ₁₆ inches (11.6 cm) H: 2 ³ / ₁₆ inches (5.6 cm) D: 7 ⁷ / ₈ inches (20 cm)	
	Weight				1.9 lbs. (0.86 kg)	

¹ RLoad 0.1 - 1.0 Ohms

² Accuracy (50 Hz / 60 Hz @ 20 °C to 30 °C) < 2.0 A = 0.09 % reading + 0.1 % range

³ THD (50 Hz / 60 Hz) > 2.5 A / 1 Ohm @ 20 kHz bandwidth

⁴ Balanced loads



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Specifications are subject to change without notice.

Doble is an ISO 9001 & ISO/IEC 17025 & 17034 Certified Company.

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