

Order Code : 20213539.1

Name : Regenerative Power Supplies



Specifications:

DC ratings	
Voltage source	0 to 80 V
Current source and sink	0 to ± 250 A
Power	0 to ± 10 kW
Output ripple and noise	
CV peak-to-peak ¹	80 mV
CV rms ²	8 mV
Load regulation	
Voltage	3 mV
Current	25 mA
Voltage programming and measurement accuracy ³	
	0.02% + 8 mV
Current programming and measurement accuracy ³	
	0.03% + 25 mA
Transient response ⁴	
Recovery time	300 μ s
Settling band	0.8 V
Output ripple and noise	
CC rms	70 mA
Voltage programming	
Range	0.08 to 81.6 V
Resolution	800 μ V
Current programming	
Range	-255 A to 255 A
Resolution	5 mA
Resistance programming	
Range	0 to 0.625 Ω
Resolution	4.8 $\mu\Omega$
Accuracy	0.05% + 16 $\mu\Omega$

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

TESCA TECHNOLOGIES PVT. LTD.

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Voltage programming speed, no load ¹	
Rise/fall time 10% to 90% of step	75 μ s
Settling time to 0.1% of step	480 μ s
Voltage programming speed, full load ²	
Rise/fall time 10% to 90% of step	130 μ s
Settling time to 0.1% of step	1.35 ms
Current programming speed ³	
Rise/fall time 10% to 90% of step	180 μ s
Settling time to 0.1% of step	500 μ s
Line regulation	
Voltage	< 10 μ V
Current	< 10 μ A

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