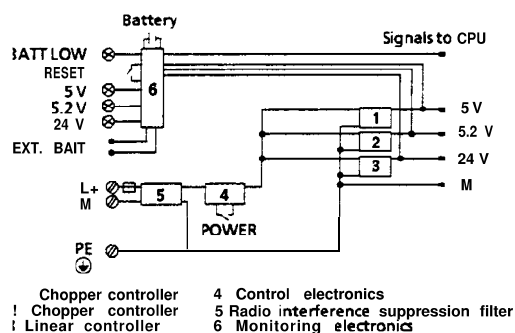
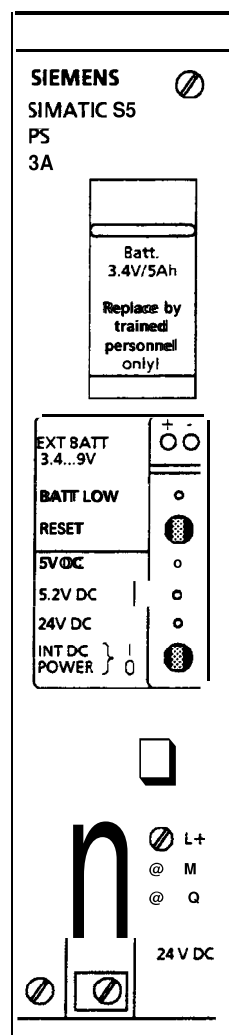


17.2.2 Power Supply Modules

Power Supply Module PS 951 24 V DC; 5 V, 3 A

(6ES5951-7NB21)



simplified schematic

Technical Specifications

Input voltage L+	
- Rated value	24 V DC
- Permissible range	19.2 to 30 V
Input current at 24 V	
- Rated value	1.51 A
- inrush current	max. 15 x I _N
- I _{2t}	0.4 A %
Power consumption	36.2 W
Output voltage	
- Rated value	5 V
- Tolerance	± 1.5 %
Output current	
- Rated value without fan	3 A
- Rated value with fan	3 A
- Permissible range	0.3 to 3 A
Output voltage (PG/OP)	
- Rated value	5.2 V
- Tolerance	± 1.5 %
Output current	max. 1 A
Backup battery	
- Backup time	min. Lithium battery, size C (3.6 V/5 Ah) 1 year (at 0.3 mA, 25°C and uninterrupted backup)
Mains buffering (at L+ _{min})	
	min. 20 ms
Output voltage (auxiliary voltage)	
- Rated value	24 V
- Tolerance	± 5 %
Output current	max. 0.2 A
Short-circuit protection	Electronic
Fault indicator	No
Fuse (primary circuit)	Integral
Class of protection	class 1
Galvanic isolation	No
RI specifications	A according to VDE 0871
Power losses of the module	typ. 11.2 W
Weight	approx. 1.6 kg (3.53 lb.)