

SIMATIC S7-1500, SYSTEM POWER SUPPLY PS 60W 24/48/60V DC, SUPPLIES THE OPERATING VOLTAGE FOR THE S7-1500 VIA THE BACKPLANE BUS



Product type designation	
General information	
HW functional status	E01
Firmware version	V1.0.0
Engineering with	
• STEP 7 TIA Portal configurable/integrated as of version	V12 / V12
• STEP 7 configurable/integrated as of version	V5.5 SP3 or higher
FH technology	
Redundancy	
• Redundancy capability	Yes
— for uprating	Yes
Supply voltage	
Rated value (DC)	24 V / 48 V / 60 V
permissible range, lower limit (DC)	Static 19.2 V, dynamic 18.5 V
permissible range, upper limit (DC)	Static 72 V, dynamic 75.5 V
Reverse polarity protection	Yes
short-circuit protection	Yes

Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Input current	
Rated value at 48 V DC	1.5 A
Rated value at 60 V DC	1.2 A
Output current	
short-circuit protection	Yes
Power	
Infeed power to the backplane bus	60 W
Power loss	
Power loss at nominal rating conditions	12 W
Interrupts/diagnostics/status information	
Status indicator	Yes
Potential separation	
primary/secondary	Yes; Electrical isolation for 230 V AC (reinforced isolation)
Isolation	
Isolation tested with	2500V DC 2s (routine test)
EMC	
Interference immunity against voltage surge	
• on the supply lines acc. to IEC 61000-4-5	Yes; +/- 1 kV (acc. to IEC 61000-4-5; 1995; surge symm.), +/- 2 kV (acc. to IEC 61000-4-5; 1995; surge asymm.), no external protective circuit required
Degree and class of protection	
Degree of protection acc. to EN 60529	IP20
Protection class	1; with protective conductor
Dimensions	
Width	70 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	600 g
last modified:	04.08.2015