



SIMATIC S7-1500,
SYSTEM POWER SUPPLY PS 60W 120/230V AC/DC,
SUPPLIES THE OPERATING VOLTAGE FOR THE S7-1500
VIA THE BACKPLANE BUS

General information	
Hardware product version	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)	120 V / 230 V
permissible range, lower limit (DC)	88 V
permissible range, upper limit (DC)	300 V
Rated value (AC)	120 V / 230 V
permissible range, lower limit (AC)	85 V
permissible range, upper limit (AC)	264 V
Short-circuit protection	Yes
Line frequency	

Rated value 50 Hz	Yes
permissible frequency range, lower limit	47 Hz
permissible frequency range, upper limit	63 Hz
Mains buffering	
Mains buffering time	20 ms
Input current	
Rated value at 120 V DC	0.6 A
Rated value at 230 V DC	0.3 A
Rated value at 120 V AC	0.6 A
Rated value at 230 V AC	0.34 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
Galvanic isolation	
primary/secondary	Yes
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
Status	Jul 21, 2014