

SIMATIC S7-1500, System power supply PS 60W 120/AC 230 V DC, supplies the backplane bus of the S7-1500 with operating voltage



General information	
Product type designation	PS 60 W 120/230 V AC/DC
HW functional status	E01
Firmware version	V1.0.0
Engineering with	
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated as of version</li> </ul>	V12 / V12
<ul style="list-style-type: none"> <li>STEP 7 configurable/integrated as of version</li> </ul>	V5.5 SP3 or higher
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	
<ul style="list-style-type: none"> <li>Rated value 50 Hz</li> </ul>	Yes
<ul style="list-style-type: none"> <li>permissible range, lower limit</li> </ul>	47 Hz

<ul style="list-style-type: none"> <li>permissible range, upper limit</li> </ul>	63 Hz
<b>Mains buffering</b>	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	20 ms
<b>Input current</b>	
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
<b>Output current</b>	
Short-circuit protection	Yes
<b>Power</b>	
Infeed power to the backplane bus	60 W
<b>Power loss</b>	
Power loss at nominal rating conditions	12 W
<b>Interrupts/diagnostics/status information</b>	
Status indicator	Yes
<b>Potential separation</b>	
primary/secondary	Yes
<b>Isolation</b>	
Isolation tested with	2 500 V DC/2 s (routine test)
<b>EMC</b>	
Interference immunity against voltage surge	
<ul style="list-style-type: none"> <li>on the supply lines acc. to IEC 61000-4-5</li> </ul>	Yes; $\pm 1$ kV (acc. to IEC 61000-4-5; 1995; surge symm.), $\pm 2$ kV (acc. to IEC 61000-4-5; 1995; surge asymm.), no external protective circuit required
<b>Degree and class of protection</b>	
Degree of protection acc. to EN 60529	IP20
Equipment protection class	I, with protective conductor
<b>Dimensions</b>	
Width	70 mm
Height	147 mm
Depth	129 mm
<b>Weights</b>	
Weight, approx.	600 g
<b>last modified:</b>	02/11/2019