

SIMATIC S7-1500, SYSTEM POWER SUPPLY WITH BUFFER  
 FUNCTIONALITY PS 60W 24/48/60V DC hf SUPPLIES  
 OPERATING VOLTAGE FOR THE S7-1500 BACKPLANE BUS AND  
 ENABLES THE CPU TO KEEP THE WORKING MEMORY (DATA)  
 RETAIN



General information	
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>	V14 SP1
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	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	20 ms
Input current	
Rated value at 24 V DC	3 A
Rated value at 48 V DC	1.5 A
Rated value at 60 V DC	1.2 A

Inrush current, max.	≤ 8 A for t ≤ 1 s
<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>Isolation</b>	
Isolation tested with	2 500 V DC (type 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; ±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
<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	105 mm
Height	147 mm
Depth	129 mm
<b>Weights</b>	
Weight, approx.	865 g
<b>last modified:</b>	09/21/2017