

## 500W Power Supply for Shuttle XPCs

The Shuttle XPC Accessory PC63J is a high-end power supply with a maximum output wattage of 500W suitable for certain XPCs with H-, J- and R-series case. With a low noise level of only 30dB, it is ideal for use in any noise-sensitive environments such as a library and offices. Thanks to its 80 PLUS Silver certification for power-efficient devices, this power supply is also suitable for ENERGY STAR® compliant systems. Benefit from less power consumption and less energy costs using PC63J.



Feature Highlight	
<b>Input</b>	<ul style="list-style-type: none"> <li>Input Voltage: 100~240V AC</li> <li>Input Current: 8A / 4A (115/230V AC)</li> <li>Frequency: 60~50 Hz</li> <li>Active PFC (Power Factor Correction)</li> </ul>
<b>Output</b>	<ul style="list-style-type: none"> <li>Total combined output (3.3/5/12V): 500W</li> <li>Total combined output (3.3/5V): 130W</li> <li>Max. Current: +12V1: 16A / +12V2: 16A / +12V3: 17A / +3.3V: 18A / +5V: 16A / +5VSB: 2.5A (Standby) / -12V: 0.3A</li> <li>Hold up time: &gt;17ms (full load, 115V AC)</li> <li>+12V Rise time: &lt;20ms (full load)</li> <li>Protection: OTP/OPP/UVP/OCP/SCP/OVP</li> </ul>
<b>Energy efficiency</b>	<ul style="list-style-type: none"> <li>80PLUS Silver compliant [1]: the PSU provides at least 85/89/85% efficiency at 20/50/100% load. aligns to the power supply requirements of Energy Star 4.0</li> </ul>
<b>Connectors</b>	<ul style="list-style-type: none"> <li>Mainboard ATX 4+4 pin (12V) + 20 pin</li> <li>3x S-ATA, 2x Molex, 1x FDD, PCIe 6+6+2</li> <li>Cable length designed for the XPC</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>Operating Temperature: 10~50°C</li> <li>Storage Temperature: -40~70°C</li> <li>MTBF: &gt;100.000 hours (75% load, 25°C)</li> <li>Noise: &lt;30dB at 50cm for 200W Load</li> </ul>
<b>Safety/EMI</b>	<ul style="list-style-type: none"> <li>EMI/RFI: FCC class B, CE, BSMI, CCC</li> <li>Safety: cUL, TÜV, CB, BSMI, CCC</li> </ul>
<b>Other</b>	<ul style="list-style-type: none"> <li>Dimension: 200 x 82 x 53 mm (l x w x h)</li> <li>Weight: 1.1kg net, 1.2kg gross</li> </ul>
<b>Compatibility</b>	<ul style="list-style-type: none"> <li>Supported Shuttle XPC models:                             <ul style="list-style-type: none"> <li><u>H series:</u> SH67H3, SH67H7, SN78SH7, SG45H7, SP45H7, SX58H7(Pro)</li> <li><u>J series:</u> SG41J1/J4, SH55J2, SX58J3</li> <li><u>R series:</u> SH61R4, SH81R4, SZ68R5, SZ77R5, SX79R5, SH87R6, SZ87R6, SH97R6, SH110R4, SH170R6 (Plus), SZ170R8(V2), SZ270R8, SZ270R9, SH300 Series (see next page)</li> </ul> </li> <li>Cable lengths designed for the Shuttle XPC</li> </ul>



ATX 20 pin



ATX 12V 4+4 pin



6 pin & 6+2-pin PCIe X16



1x Floppy



2x Molex



3x S-ATA



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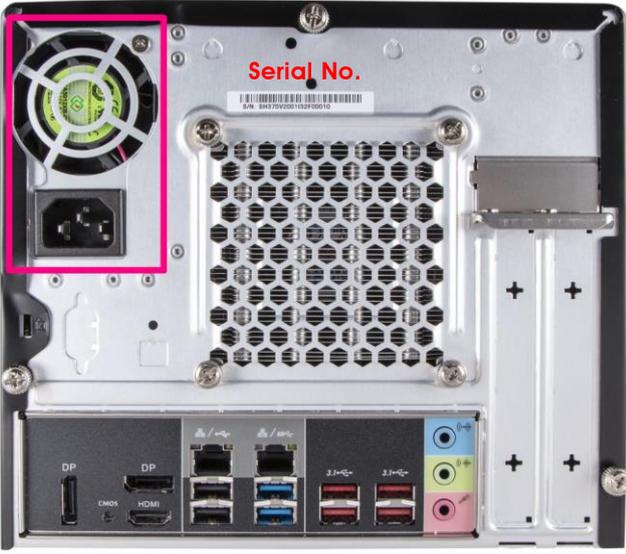
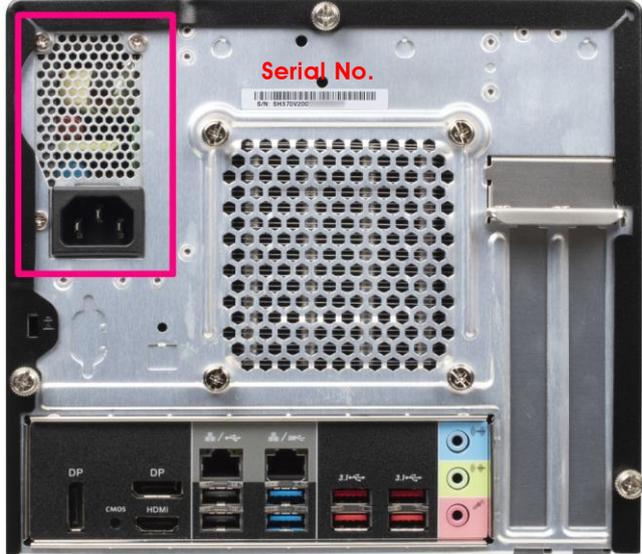
## Compatibility with Shuttle XPC Barebones SH300 Series

**Notification:** For many years Shuttle XPC cube Barebones have been using power supplies (PSUs) that are also available as retail products **PC61J** (300 W) and **PC63J** (500 W). However, a changed EU standard requires a change of the power supply type – with the same power characteristics, but with different dimensions. Since the end of 2020, Shuttle XPC cube Barebones of the SH300 series will be shipped in stages with a new power supply type that is no longer compatible with PC61J and PC63J (see table).

### Shuttle XPC cube Barebones SH300 series:

Product Name	Launch Date	Built-in PSU	Product Stickers			Shuttle PSU accessory compatible?	
			UPC Code	Part No.	Serial No.	PC61J (300 W)	PC63J (500 W)
SH310R4	Dec'18	Type 1, 300 W	88799300159-3	74R-SH310R4-003-SHU-001	SH310R40301...	Yes	Yes (Upgrade)
SH310R4V2	Mar'19	Type 1, 300 W	88799300164-7	74R-SH310V2-002-SHU-001	SH310V20201...	Yes	Yes (Upgrade)
	TBA	Type 2, 300 W	88799300267-5	74R-SH310V2-005-SHU-001	SH310V20501...	No	No
SH370R6	Jun'18	Type 1, 300 W	88799300152-4	74R-SH370R6-002-SHU-001	SH370R60201...	Yes	Yes (Upgrade)
SH370R6V2	Jul'19	Type 1, 300 W	88799300174-6	74R-SH370V2-003-SHU-001	SH370V20301...	Yes	Yes (Upgrade)
	Nov'20	Type 2, 300 W	88799300266-8	74R-SH370V2-008-SHU-001	SH370V20801...	No	No
SH370R6 Plus	Sep'18	Type 1, 500 W	88799300154-8	74R-SH370R6-003-SHU-001	SH370R60301...	Yes (Downgrade)	Yes
SH370R6V2 Plus	Aug'19	Type 1, 500 W	88799300182-1	74R-SH370V2-004-SHU-001	SH370V20401...	Yes (Downgrade)	Yes
	TBA	Type 2, 500 W	88799300268-2	74R-SH370V2-009-SHU-001	SH370V20901...	No	No
SH370R8	Apr'19	Type 1, 500 W	88799300161-6	74R-SH370V2-002-SHU-001	SH370R80201...	Yes (Downgrade)	Yes
	Nov'20	Type 2, 500 W	88799300265-1	74R-SH370V2-007-SHU-001	SH370R80701...	No	No

### Shuttle XPC cube Barebone SH300 Series – Power Supply Comparison

Previous model (Type 1) Dimensions: 200 x 82 x 53 mm (LHW)	New version (Type 2) Dimensions: 150 x 80 x 40 mm (LHW)
	
<p>Suitable Power Supply available as Retail Products: <b>PC61J</b> (300 W) and <b>PC63J</b> (500 W)</p>	<p>Suitable Power Supply available as Spare Parts.</p>

Easy installation of PC63J



① Place the power supply in position. Secure from the back with three Phillips head screws.



② Feed the HDD cable through the reverse hole as shown and attach to storage devices.



③ Attach the 20-pin ATX and 2x2-pin (or 1x4-pin) power supply plugs to the mainboard.



④ Finally, secure again from top with Phillips head screw.

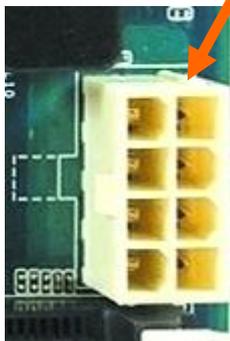
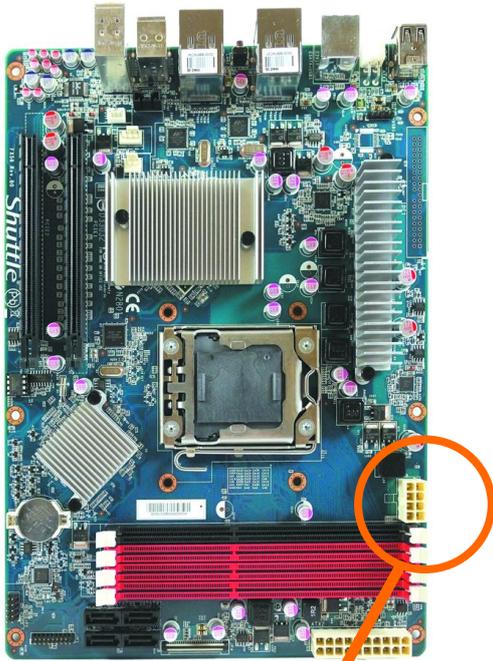


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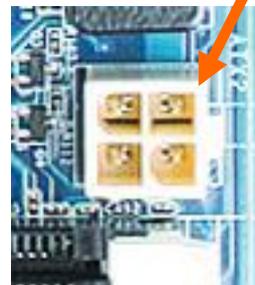
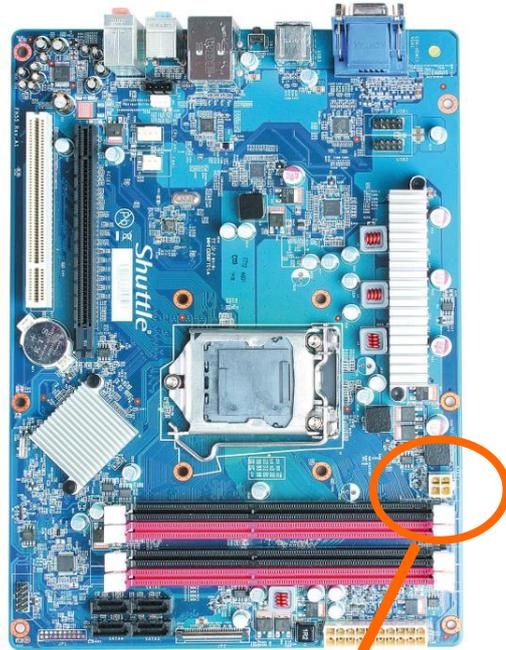
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Universal ATX12V plug

Example: SX58J3



Example: SH55J2



The ATX12V plug of the power supply consists of two 4-pin plugs, which can be combined to one single 8-pin plug. They can easily be separated again by using long-nosed pliers (as shown in the photo).

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**Power Supplies for XPCs with H, J and R chassis**

Power Supply	PC61J	PC63J
Output wattage	300W	500W
Efficiency logo	80 PLUS Bronze	80 PLUS Silver
Additional power connectors for graphics cards	6-pin (75W) 	6-pin (75W) and 6+2-pin (150W) 
Compatible Shuttle XPCs	<ul style="list-style-type: none"> <li>• Upgrade kit for SG41J1, SG41J4, SH61R4</li> <li>• Standard-power supply for SH67H3, SH67H7, SN78SH7, SG45H7, SP45H7, SH55J2, SH87R6, SH110R4, SH170R6</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrade kit for SG41J1, SG41J4, SH61R4, SH67H3, SH67H7, SN78SH7, SG45H7, SP45H7, SH55J2, SH87R6, SH97R6, SH110R4, SH170R6</li> <li>• Standard-power supply for SX58H7 (Pro), SX58J3, SZ68R5, SZ77R5, SX79R5, SZ87R6, SH170R6 Plus, SZ170R8(V2), SZ270R8(P)</li> </ul>

Please refer to the support list for detailed graphics card support information.

[1] Note: The PC63J power supply (500W) complies with the requirements for the 80 PLUS Silver logo. This also applies for PC63J that are labeled with an 80 PLUS Bronze logo.

Test report: [http://www.plugloadsolutions.com/psu\\_reports/SHUTTLE\\_PC63I1005\\_500W\\_ECOS%203460\\_Report.pdf](http://www.plugloadsolutions.com/psu_reports/SHUTTLE_PC63I1005_500W_ECOS%203460_Report.pdf)

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