



Powerstocc® Excellent

PS 3.0 ■ PS 3.6 ■ PS 4.2 ■ PS 5.5 ■ PS 7.0 ■ PS 8.3 ■ PS 10.1

Innovative inverters from CENTROSOLAR – sophisticated, safe, powerful and flexible

▪ Powerful

Powerstocc® Excellent solar inverters are powerful, transformerless string inverters.

▪ Sophisticated

Our inverters' 3-phase technology combines stability and durability with flexibility and high efficiency.

▪ Intelligent

Multi-phase inverters use only one or two randomly selected phases for power input during periods of low input power, resulting in improved efficiency.

▪ Cutting-edge

All inverters feature reactive power control and integrated active power control in order to connect a ripple control receiver.

▪ Safe

Our inverters are equipped with an integrated DC load switch, eliminating the need for an external isolating switch.

▪ Flexible

The different power classes offer maximum flexibility and are also supported by independent MPP controllers.

▪ Informative

The integrated data logger allows all yield data to be sent directly to the new Cenview portal. It is also possible to transmit all saved values to a computer via a web server.



The Powerstoccc® Excellent inverter at a glance

	PS 3.0	PS 3.6*	PS 4.2	PS 5.5	PS 7.0	PS 8.3	PS 10.1	Units
Input side (DC side)								
Recommended DC power PDC	Max. 4.3 kW	5 – 10 % above AC nominal output, based on ambient temperature and sunlight levels						
MPP voltage range	270 - 730	340 - 850	360 - 850		400 - 850	400 - 850	420 - 850	V
Extended MPP voltage range	160 - 270	180 - 340	180 - 360		180 - 400	180 - 400	180 - 420	V
Max. input voltage UDC max	950							V
Max. input current IDC max	12.5	9	9	9	12.5	12.5	12.5	A
Number of MPP trackers	1	2	2	3	2	2	3	
Output side (AC side)								
Nominal output PAC nominal (cos phi = 1)	3,000	3,600	4,200	5,500	7,000	8,300	10,000	W
Apparent power PAP max. (cos phi, adj.)	3,000	3,600	4,200	5,500	7,000	8,300	10,000	W
Max. AC output current IAC max.	13.7	15.7	6.1	8.0	10.2	12.0	14.5	A
Number of feed-in phases	1					3		
cos phi	0.9 to 1	0.95 to 1					0.9 to 1	
Level of efficiency								
Max. efficiency	96.2	95.8	96.5	96.2	96.0	97.0	97.0	%
European level of efficiency	95.5	95.1	95.4	95.7	95.3	96.3	96.4	%
General data								
Height x width x depth	385 x 500 x 222	350 x 420 x 211			450 x 520 x 230			mm
Weight	22	20	20.5	21.1	33	33	34	kg
Ambient temperature	-20 to +60							°C
DC connection type MC 4	MC 4							
Night & standby consumption	< 1							W
Noise level	< 33 dB(A)			Depending on fan < 46 dB(A)				
Design	transformerless/self-managed							
Security								
Protection type	IP55 (inside + outside)							
Protection class	SKL I							
VDEW-compliant	yes							
Grid monitoring (method)	Phase shifting			3-phase monitoring				
Grid voltage monitoring	yes							
Insulation monitoring	yes							
Activation point	Built-in electronic activation							
Reverse polarity protection	Short-circuit diode, DC side							
Arc detection**	no			optional				
Warranty:	5 years, can be extended to 10 or 20 years							
Standards fulfilled/certificates	VDE-AR-N 4105, DIN EN 61000-3-2 / 3-3 / 6-2 / 6-3, ÖVE/ÖNORM E 8001-4-712, IEC 60364-7-712 and 60947-3, DIN VDE 0100-107/0126, DIN EN 60947-3, DIN EN 50178 CEI 64-8/7, ammonia resistance							
Equipment								
Interfaces	2 x Ethernet (RJ45) / 1 x RS485			Ethernet (RJ45) / RS485				
Data logger	built-in							
GSM modem/analogue modem	optional							
Simplified energy management	built-in							

* while stocks last

** AD - Arc Detection Detects and eliminates possible arcs on loose plugs and poor contact points that could potentially damage the entire system.

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