

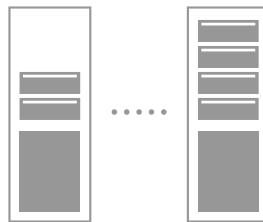
iCube PCS Series

C&I 210kW/315kW/420kW Power Conversion System

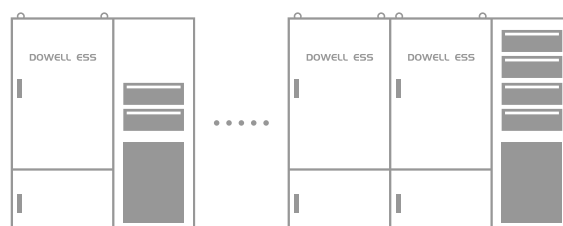


Integrated design & flexible scalable layout

The PCS cabinet can be put into 2-4 module(s), every module is 105kW;
The battery cabinet and PCS cabinet can also be freely connected.



PCS power can be from 210kW to 420kW



*One 237kWh plus one 210kW;
Two 237kWh plus one 315/420kW and more*

Product Model	PCS Series		
	200	300	400
DC Side			
Input DC Voltage Range	615 ~ 950V(3P3W) / 650 ~ 950V(3P4W)		
Max. DC Current	342A	513A	684A
DC Input Interfaces Number	1 or 2	1 or 3	1 or 4
AC Side (grid-tied)			
Rated Output Power	210kW	315kW	420kW
Maximum Output Power	231kW	347kW	462kW
Rated Frequency	50Hz		
Rated Grid Voltage	400V		
Grid Voltage Range	320~460V		
Rated Current	303A	454A	606A
Total Current Waveform Distortion Rate	<3%(Rated Power)		
Power Factor Range	-1~1		
AC Side (off-grid)			
Rated Voltage	400V		
Frequency	50Hz		
Voltage Range	±3%		
Voltage Precision	1%		
Voltage Distortion Rate	<3%		
General Parameters			
Dimension W*D*H	624*1150*2300mm		
Maximum Efficiency	98.20%		
Weight	~200kg	~300kg	~400kg
Isolation Transformer	N/A		
Degree of Protection	IP54		
Allowed Ambient Temperature	-25 ~ 55°C		
Allowed Relative Humidity	0 ~ 95%		
Working Altitude	<2000m		
Enclosure Corrosion Resistance Level	C3 (C4/C5 Optional)		
Cooling Method	Air Cooling		
Lifting Options	Fork/Crane		
Scalability	Yes, Units Can Be Connected In Parallel		
Monitoring			
Communication	RS485/Ethernet		
Communication Protocols	MODBUS-RTU/MODBUS-TCP		
Remote Control System	DOWELL ESS Cloud		
Certifications			
Power Conversion System Unit	CE, EN50549-1, EN50549-2, NRS097-21-1:2017, VDE4105, VDE4110, C10/11:2019, G99, PN50549, EIFS2018:02, CEI021/16, NTS632:2019	CE, EN50549-1, EN50549-2, NRS097-21-1:2017, VDE4105, VDE4110, VDE4120, C10/11:2019, G99, PN50549, EIFS2018:02, CEI021/16, NTS632:2019	
Whole Unit	CE		



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