

Leading - edge Technology

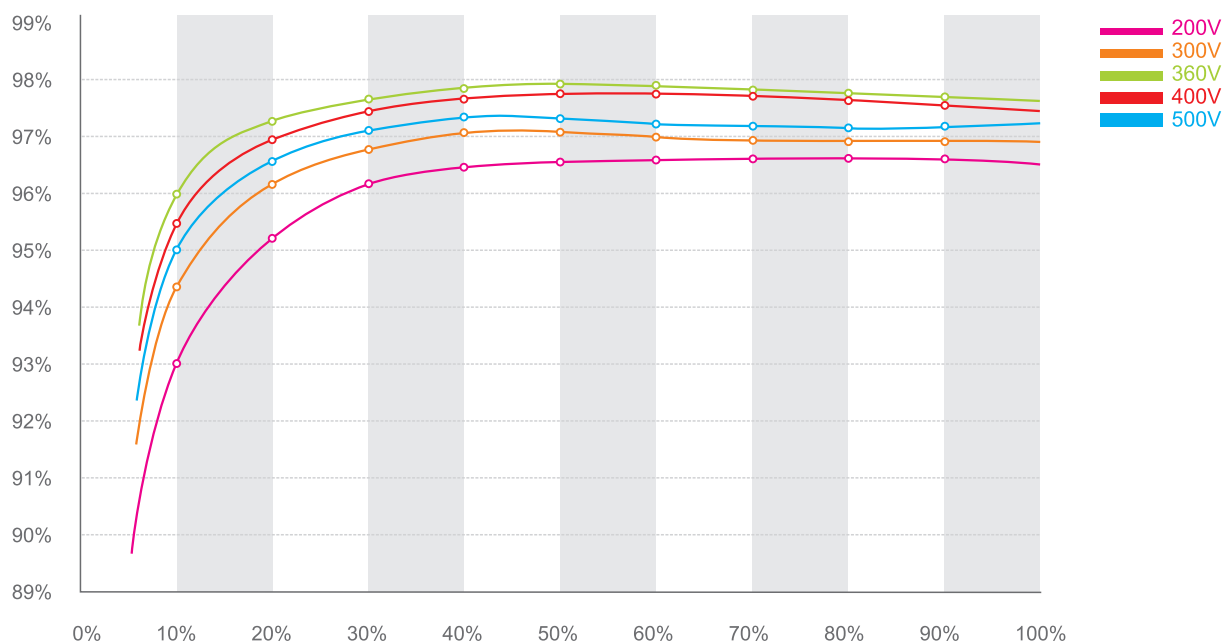
- Maximum efficiency of 97.9% and wide input voltage range
- Internal DC switch
- Transformerless H6 topology
- Compact design
- Multi MPP controller
- MTL - String
- Bluetooth technology
- Noise control
- Easy installation
- Comprehensive JCS warranty program

Europe / Australia ENS

- Simple national setting of line supply monitoring(ENS)
- Easy country configuration
- Multi - language display
- Currently available for Germany, Austria, Australia, France, UK, Switzerland, Italy and Spain



5kW efficiency



	JCS-PI3.6MTL	JCS-PI4.2MTL	JCS-PI5.0MTL
Input Data			
Max. DC power	3800W	4400W	5200W
Max. DC voltage	600V	600V	600V
PV voltage range MPPT	120V - 550V	120V - 550V	120V - 550V
Max. number of parallel strings	2/2	2/2	2/2
Number of MPP trackers	2(can parallel)	2(can parallel)	2(can parallel)
Max. DC power each MPPT	2000W	2500W	3000W
Max. input current of each MPP tracker	10A / 10A	15A / 15A	15A / 15A
Output (AC)			
Nominal AC output power	3600W	4200W	4600W/5000W *
Max. output current	15.6A	18.5A	20A
Nominal AC voltage range	220V/230V/240V 180V - 280V	220V/230V/240V 180V - 280V	220V/230V/240V 180V - 280V
AC grid frequency range	50Hz, 60Hz /± 5Hz	50Hz, 60Hz /± 5Hz	50Hz, 60Hz /± 5Hz
Phase shift (cos φ)	1	1	1
THDI	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase
Efficiency			
Max. efficiency	97.6%	97.9%	97.9%
Euro-eta	97%	97.4%	97.4%
MPPT efficiency	99.5%	99.5%	99.5%
Protection Devices			
DC reverse polarity protection	yes	yes	yes
AC short-circuit protection	yes	yes	yes
Ground fault monitoring	yes	yes	yes
Grid monitoring	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes
General Data			
Dimensions (W / D / H) in mm	360/510/188	360/510/188	360/510/188
Weight	24KG	24KG	24KG
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Noise emission (typical)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)
Consumption: operating (standby)/ night	< 5W / < 0.5 W	< 5W / < 0.5 W	< 5W / < 0.5 W
Topology	transformerless	transformerless	transformerless
Cooling concept	No fan	No fan	No fan
Installation: Indoors / Outdoors (IP65)	yes / yes	yes / yes	yes / yes
Altitude	Up to 2000m without power derating	Up to 2000m without power derating	Up to 2000m without power derating
Humidity	0 ~ 95%, no condensation	0 ~ 95%, no condensation	0 ~ 95%, no condensation
Features			
DC connection:(MC3/MC4/H4)	opt / opt / yes	opt / opt / yes	opt / opt / yes
AC connection: Terminals	yes	yes	yes
LCD display	yes	yes	yes
Interfaces: Bluetooth/RS485/RS232	opt / opt / yes	opt / opt / yes	opt / opt / yes
Warranty: 5 years / 10 years	yes / opt	yes / opt	yes / opt
Certificates and Approvals			