Models	SIRIO K200 HV

Rated power alternating current	200KVA
Maximum power alternating current	200KW (cosφ=1)
INPUT	
Maximum direct voltage in an open circuit	880Vcc
MPPT Full Rating Range	450÷760Vcc
Working range	450÷760Vcc
Maximum imput current	471Acc
Initial feeding voltage	540Vcc
Ripple voltage	<1%
Input number	1
MPPT number	1
D.C. connectors	Bus bar
OUTPUT	
Operating voltage	400Vca
Operating interval	340÷460Vca
Maximum power interval	340÷460Vca
Frequency interval	47,5÷51,5Hz
Settable frequency interval	47÷53Hz
Nominal current	289Aca
Maximum current	321Aca
Fault level contribution	546Aca
Current Harmonic Distorsion (THDi)	<3%
Power factor	from 0,9 ind. to 0,9 cap.
Galvanic separation	LF trafo
A.C. connectors	Bus bar
SYSTEM	
Maximum efficiency	96,3%
European efficiency	95,2%
Stand-by consumption	<32W
Night consumption	<32W
Internal protection	MCCB AC side and Switch DC side
Insulation operating protection	Yes
Detecting earth leakage	Yes
Heat dissipation	Controlled fans
Operating temperature	-20°C÷45°C (without derating)
Storage temperature	-20°C÷70°C
Humidity	5÷95% non-condensing
CHARACTERISTICS	
Acoustic noise	<72dBA
Protection level	IP20
Colour	RAL 7035
Weight	1580Kg
Dimensions	1630x1000x1900mm
COMMUNICATION	
Communication interface	Ethernet, USB, 2xRS232, 2 ingressi per comandi remoti (blocco inverter ed EPO) e 3 relè di segnalazione stato di funzionamento. RS485 opzionale (slot version)

Display	Color LCD touch screen
Protocols	ModBUS and ModBUSTCP
CERTIFICATES AND APPROVALS	
EMC	EN61000-6-3, EN61000-6-2, EN61000-3-11, EN61000-3-12
Safety	EN62109-1, EN62109-2
Directives	Low Voltage Directive: 2006/95/EC, EMC Directive: 2004/108/EC
Guide for connection to the power grid	CEI 0-16, A70, Real Decreto 413/2014, PO12.3