

Models

SIRIO K12

Rated power alternating current	12KVA
Maximum power alternating current	12kW (cosφ=1)
INPUT	
Maximum direct voltage in an open circuit	800V _{cc}
MPPT Full Rating Range	330÷700V _{cc}
Working range	330÷700V _{cc}
Maximum input current	39A _{cc}
Initial feeding voltage	390V _{cc}
Ripple voltage	<1%
Input number	1
MPPT number	1
D.C. connectors	Screw terminals
OUTPUT	
Operating voltage	400V _{ca}
Operating interval	340÷460V _{ca}
Maximum power interval	340÷460V _{ca}
Frequency interval	47,5÷51,5Hz
Settable frequency interval	47÷53Hz
Nominal current	17,3A _{ca}
Maximum current	19,2A _{ca}
Fault level contribution	34A _{ca}
Current Harmonic Distorsion (THDi)	<3%
Power factor	from 0,9 ind. to 0,9 cap.
Galvanic separation	LF trafo
A.C. connectors	Screw terminals
SYSTEM	
Maximum efficiency	95,8%
European efficiency	94,8%
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	<66dBA
Protection level	IP20
Colour	RAL 7035
Weight	310Kg
Dimensions	555x720x1400mm
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 0-21, CEI 0-16, A70, VDE 0126-1-1, G59/2, Real Decreto 413/2014, PO12.3