

**Models**

**SIRIO K40 HV**

<b>Rated power alternating current</b>	40KVA
<b>Maximum power alternating current</b>	40KW (cosφ=1)
<b>INPUT</b>	
<b>Maximum direct voltage in an open circuit</b>	880Vcc
<b>MPPT Full Rating Range</b>	450÷760Vcc
<b>Working range</b>	450÷760Vcc
<b>Maximum input current</b>	94Acc
<b>Initial feeding voltage</b>	540Vcc
<b>Ripple voltage</b>	<1%
<b>Input number</b>	1
<b>MPPT number</b>	1
<b>D.C. connectors</b>	Screw terminals
<b>OUTPUT</b>	
<b>Operating voltage</b>	400Vca
<b>Operating interval</b>	340÷460Vca
<b>Maximum power interval</b>	340÷460Vca
<b>Frequency interval</b>	47,5÷51,5Hz
<b>Settable frequency interval</b>	47÷53Hz
<b>Nominal current</b>	58Aca
<b>Maximum current</b>	64,2Aca
<b>Fault level contribution</b>	110Aca
<b>Current Harmonic Distorsion (THDi)</b>	<3%
<b>Power factor</b>	from 0,9 ind. to 0,9 cap.
<b>Galvanic separation</b>	LF trafo
<b>A.C. connectors</b>	Screw terminals
<b>SYSTEM</b>	
<b>Maximum efficiency</b>	96,2%
<b>European efficiency</b>	95,3%
<b>Stand-by consumption</b>	<32W
<b>Night consumption</b>	<32W
<b>Internal protection</b>	MCCB AC side and Switch DC side
<b>Insulation operating protection</b>	Yes
<b>Detecting earth leakage</b>	Yes
<b>Heat dissipation</b>	Controlled fans
<b>Operating temperature</b>	-20°C÷45°C (without derating)
<b>Storage temperature</b>	-20°C÷70°C
<b>Humidity</b>	5÷95% non-condensing
<b>CHARACTERISTICS</b>	
<b>Acoustic noise</b>	<66dBA
<b>Protection level</b>	IP20
<b>Colour</b>	RAL 7035
<b>Weight</b>	420Kg

<b>Dimensions</b>	555x720x1400mm
<b>COMMUNICATION</b>	
<b>Communication interface</b>	Ethernet, USB, 2xRS232, 2 ingressi per comandi remoti (blocco inverter ed EPO) e 3 relè di segnalazione stato di funzionamento. RS485 opzionale (slot version)
<b>Display</b>	Color LCD touch screen
<b>Protocols</b>	ModBUS and ModBUSTCP
<b>CERTIFICATES AND APPROVALS</b>	
<b>EMC</b>	EN61000-6-3, EN61000-6-2, EN61000-3-11, EN61000-3-12
<b>Safety</b>	EN62109-1, EN62109-2
<b>Directives</b>	Low Voltage Directive: 2006/95/EC, EMC Directive: 2004/108/EC
<b>Guide for connection to the power grid</b>	CEI 0-21, CEI 0-16, A70, VDE 0126-1-1, G59/2, Real Decreto 413/2014, PO12.3