

<b>MODEL</b>	<b>SIRIO K330 HV-MT</b>
<b>Rated power [kW]</b>	330
<b>INPUT</b>	
<b>Maximum PV power (Pmax) [kWp]</b>	380
<b>Minimum recommended PV power (Pmin) [kWp]</b>	260
<b>Recommended Vo@STC voltage (Vo) [V]</b>	710 – 760
<b>DC voltage range, MPPT (Vcc) [V]</b>	450 – 760
<b>Maximum DC voltage (Vcc, max) [V]</b>	1000
<b>Start-up voltage (Vstart-up) [V]</b>	540
<b>Max DC current (Icc, max) [A]</b>	780
<b>Voltage ripple on modules [%]</b>	<1
<b>DC inputs</b>	6 x 140 A (OPT)
<b>OUTPUT</b>	
<b>Rated AC power (p.f. =1) (Pca) [kW]</b>	330
<b>Rated voltage (Vca) [V]</b>	270 three-phase (+/-15%)
<b>Rated current (Ica) [Aca]</b>	706
<b>Max current (Ica) [Aca]</b>	830
<b>Rated frequency (Fca) [Hz]</b>	50 (+2 / -3)
<b>Distribution system</b>	IT
<b>Harmonic distortion of the network current (THDi) [%]</b>	<3 with rated power
<b>Nominal Power factor (cos φ) [%]</b>	>0.99 (adjustable ± 0.9)
<b>Contribution to short circuit current (Icc) [A]</b>	1250
<b>STANDARDS</b>	
<b>Electromagnetic compatibility</b>	YES
<b>CE conformity</b>	YES
<b>PROTECTION DEVICES AND ENVIRONMENTAL CONDITIONS</b>	
<b>IP protection degree EN60529</b>	IP20
<b>Environmental categories</b>	Indoor, unconditioned
<b>Overvoltage category (EN62109)</b>	III (DC) – III (AC)
<b>Pollution degree</b>	3
<b>Permitted temperature range (T) [°C]</b>	-20 ÷ 50
<b>Maximum height above sea level [m]</b>	1000
<b>Air change (with deltaT=5 °C) [m3/h]</b>	6200
<b>Direction of air flow</b>	Intake through the base and the front. Extraction from the top
<b>Max power dissipated (in overload) (P loss) [W – KCal/h]</b>	8460 – 7230
<b>MECHANICAL</b>	
<b>Weight [Kg]</b>	1250
<b>Dimensions (LxPxA)</b>	1500x1000x1900