



**POWER**

**WHEN YOU NEED IT.**

**X-Hybrid Inverter (City Solution) (Continued)**

Model	SK-SU3000C	SK-SU3700C	SK-SU5000C
<b>► Battery Charger (Inside)</b>			
Compatible battery type	Lead-acid battery/lithium battery		
Nominal battery voltage [V]	48		
Battery voltage range [V]	40-60		
Max. charging current [A]	50 (adjustable)		
Charging curve	3-stage adaptive with maintenance		
Over-current protection/Over-temperature protection	YES		
Communication interfaces	Can/RS232		
<b>► Charge</b>			
Max. power [W]	2500		
Max. charge current [A]	50		
<b>► Discharge</b>			
Max. power [W]	2500		
Max. discharge current [A]	50		
Depth of discharge	80% for lithium battery (adjustable) 50% for lead-acid battery		
<b>► Efficiency</b>			
MPPT efficiency	99.9%	99.9%	99.9%
Euro-efficiency	97.0%	97.0%	97.0%
Max. efficiency	97.6%	97.6%	97.6%
Standby losses [W]	<7		
<b>► Others</b>			
DC switch	Optional		
Max. No. of supported external charger	0		
Operating temperature range [°C]	-10~+50 (derating at 40)		
Storage stability range [°C]	-20~+60		
Altitude [m]	<2000		
Cooling concept	Forced airflow		
Noise emission (typical) [dB]	<40		
Humidity [%]	0~95 (non-condensing)		
Protection class	IP20 (for indoor use)		
Overvoltage category	III (electric supply side), II (PV side)		
EMC standard	IEC61000-6-1/2/3/4		
Topology	Transformer-less		
Warranty	Standard 5 years		
Dimensions (W / H / D) [mm]	680 x 595 x 167		
Weight [kg]	27.7		
Certificate	Germany, Australia, Belgium, Netherlands, Denmark, Austria, UK, Italy		

**X-Hybrid Inverter (Emergency Power Supply)**

Model	SK-SU3000E	SK-SU3700E	SK-SU5000E
<b>► EPS with internal charger</b>			
EPS rated power [VA]	2000	2000	2000
EPS rated voltage [V], Frequency [Hz]	230, 50/60		
EPS rated current [A]	9	9	9
EPS peak power [VA]	1.5xPrated, 10s	1.5xPrated, 10s	1.5xPrated, 10s
Total harmonic distortion (THD)	<3%		
Switich time [S]	<5		

**X-Hybrid Inverter (City Solution)**

Model	SK-SU3000C	SK-SU3700C	SK-SU5000C
<b>► Input (DC)</b>			
Max. recommended DC power [W]	3300	4000	5000
Max. DC voltage [V]	550		
Norminal DC operating voltage [V]	360		
MPPT voltage range [V]	125-530		
Max. input current [A]	12	12/12	12/12
Max. short circuit current [A]	15	15/15	15/15
No. of MPP trackers	1	2	2
Strings per MPP tracker	1	1	1
<b>► Output (AC)</b>			
Nominal AC power [W]	3000	3680	4600
Nominal AC voltage, range [V]; Frequency [Hz]	230, 180~270; 50/60		
Nominal AC current [A]	13	16	20
Max. AC current [A]	14.4	16	22.1
Total harmonic distortion (THD)	<3%		
Power factor (Rated Power)	1		
Displacement power factor	0.9leading to 0.9lagging		
<b>► Display</b>			
Communication interfaces	Backlight 16*4 character		
LED light	Ethernet/Dry contact /WIFI		
Button	4		
LCD	4		

Table continued overleaf