



Features:

- Advanced DSP control technology
- Utilize the latest high-efficiency power component
- Optimal MPPT technology
- Advanced anti-islanding solutions
- IP65 protection level
- Max. efficiency up to 97.4%, EU efficiency up to 96.8%
- Safety & Reliability: transformerless design with software and hardware protection
- Friendly HMI



Get in touch now:

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X1-6.0

X1-7.0

X1-8.0

INPUT (PV)			
Max. recommended DC power [W]	3000/4000	3000/5000	3000/5000
Max. DC voltage[V]	550	550	550
Nominal DC operating voltage[V]	360	360	360
MPPT voltage range [V]	100-500	100-500	100-500
Max. input current [A]	11/22	11/22	11/22
Max. short circuit current [A]	12/24	12/24	12/24
Start input voltage [V]	120	120	120
No. of MPP trackers	2	2	2
Strings per MPP tracker	1/2	1/2	1/2
DC disconnection switch		Optional	
OUTPUT (AC)			
Rated output power [W]	6000	7000	8000
Max.apparent AC power [VA]	6000	7000	8000
Rated grid voltage and range [V]		220/230/240; 160-285	
Rated AC frequency [Hz]		50	
AC nominal current [A]	28	32	35
Max. output overcurrent protection(A)		45	
Max. inverter backfeed current to the array(mA)		0	
Inrush current(A)		37	
Total harmonic distortion of current		< 3	
Displacement power factor		1 / 0.8 leading... 0.8 lagging	
Feed in phase		Single-phase	
EFFICIENCY			
MPPT efficiency		99.90	
Euro-efficiency		96.80	
Max. efficiency		97.40	
POWER CONSUMPTION			
Night consumption [W]		<1	
SAFETY & PROTECTION			
Over/under voltage protection		YES	
DC isolation protection		YES	
Monitoring ground fault protection		YES	
Grid protection		YES	
DC injection monitoring		YES	
Back feed current monitoring		YES	
Residual current detection		YES	
Anti-islanding protection		YES	
Over load protection		YES	
Over heat protection		YES	
GENERAL			
Dimension (W/H/D) [mm]		450*401*190	
Net weight [kg]		22	
Installation		Wall-mounted	
Operating temperature range [°C]		-25~+60 (derating at 45)	
Storage temperature [°C]		-25~+60	
Storage/Operation relative humidity		0~100, non condensing	
Altitude [m]		≤2000	
Ingress Protection		IP65	
Isolation type		Transformerless	
Protective Class		I	
Night-time consumption		<1	
Over Voltage Category		III(MAINS), II(PV)	
Pollution Degree		II	
Cooling		External: natural wind; Internal: intelligent fan	
Noise level		<40	
Inverter Topology		Non-isolated	
Communication interface		RS485/ NFI(optional)/DRM,WIFI /GPRS/LAN/,USB	
Warranty [year]		5-10	

*Can be modified without notice.(V1)