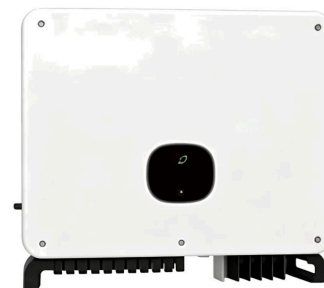


INVERTERS

MAX 320-350K-X

String inverter · Three-phase · 320 – 352 kW · 3 models


320 – 352 kW

RATED POWER

Three-phase

PHASE

6

MPPT TRACKERS

99.03 %

MAX. EFFICIENCY

Parameter	Unit	MAX 320K-X	MAX 333K-X	MAX 350K-X
PV input				
Max. PV input power	W	480000	499500	528000
Max. PV input voltage	V	1500		
Rated PV input voltage	V	1080		
MPPT voltage range	V	500 – 1500		
Start-up voltage	V	500		
Max. input current per MPPT	A	80		
Max. short-circuit current per MPPT	A	100		
Number of MPPT trackers		6		
PV strings per MPPT		5		
AC output				
Rated output power	W	320000	333000	352000
Max. apparent power	VA	352000	366300	352000
Max. AC apparent power vs. ambient temperature		352 kVA @30 °C; 320 kVA @45 °C; 295 kVA @50 °C	366.3 kVA @25 °C; 333 kVA @35 °C; 295 kVA @50 °C	352 kVA @30 °C; 320 kVA @45 °C; 295 kVA @50 °C
Rated AC voltage	V	800		
AC voltage range	V	640 – 920		
Rated AC output current	A	230.9	240.3	254
Phase		Three-phase		
AC grid connection type		3W+PE		
Rated AC frequency	Hz	50/60		
Rated AC frequency and range		50/60 Hz (45-55 Hz / 55-65 Hz)		
Power factor		0.8 leading to 0.8 lagging (adjustable)		
Total harmonic distortion (THDi)	%	<3		

Parameter	Unit	MAX 320K-X	MAX 333K-X	MAX 350K-X
Efficiency				
Max. efficiency	%	99.03		
European efficiency	%	98.53		
MPPT efficiency	%	99.9		
Protection				
Protection functions		DC reverse polarity protection; DC switch; Type II DC surge protection; Type II AC surge protection; Insulation resistance monitoring; RCD detection; Output short-circuit protection; String fault monitoring; Anti-PID function (optional)		
General data				
Dimensions (W x H x D)	mm	1145 × 790 × 371		
Weight	kg	139		
Ingress protection (IP rating)		IP66		
Operating temperature range	°C	−30 – 60		
Relative humidity	%	0 – 100		
Max. operating altitude	m	5000		
Altitude derating starts above	m	4000		
Cooling		Smart air cooling		
Topology		Transformerless		
Night-time power consumption	W	<1		
Warranty	years	5 – 10		
Communication				
Display		LED / Wi-Fi + app		
Communication interfaces		USB; RS485; GPRS (optional); 4G (optional); Wi-Fi (optional)		
Certifications				
Certifications and standards		CE; IEC 61683; IEC 60068		
Grid codes		IEC 62116; IEC 61727; IEC 62910; EN 50549-2/10		

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

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