

SOLAR
GRID PV INVERTERS



MODEL	Smart 2K	Smart 2.8K	Smart 4K	Smart 4.6K	Smart 10K
Nominal AC Power	2000W	2800W	4000W	4600W	10000W
Max. AC Power	2200W	3000W	4400W	5100W	11000W
INPUT					
Nominal DC Voltage	360Vdc			600Vdc	700Vdc
Max. PV open DV Voltage	450Vdc	450Vdc	450Vdc	700Vdc	800Vdc
MPPT range	150 ~ 450 Vdc			125 - 700 Vdc	420 - 800 Vdc
Working range	120 ~ 450 Vdc			100 - 750 Vdc	420 - 800 Vdc
Max. inout current	10 Adc	13 Adc	20 Adc	8.5 Adc per Tracker	13 Adc per Tracker
Number of MPPT	1	1	1	3	3
OUTPUT					
Operational voltage	196 ~ 253 Vac				400Vac+/-10%
Operational frequency	50/60 Hz, auto selection				
Current distortion	< 3%				
Power factor	~ 1				
Conversion efficiency (max.)	> 96%				> 97%
European efficiency	> 94%		> 94,5%		> 96%
SYSTEM					
Protection degree	IP43 - Indoor			IP65 - Outdoor	
Operating temperature	- 20° C to 55° C				
Humidity	0 to 95%, non-condensing				
Heat dissipation	Convection				Force air cooling variable fan speed
Acoustic noise level	< 30dBA				< 45dBA
COMMUNICATION & FEATURES					
Communication Interface	RS232 (standard) RS485 (optional) Remote Monitoring (optional)				
MECHANICAL					
Dimensions (WxDxH) mm	350x302x120	350x302x135	424x366x120	430x530x130	585x455x155
Weight	11,4 Kg	12,5 Kg	16,4 Kg	27 Kg	35 Kg