



SolarEdge enkelfasige omvormers

SE2200H, SE3000H, SE3500H, SE3680H



OMVORMERS

Geoptimaliseerd met HD-Wave technologie

- Recordbrekend rendement
- Extreem klein, licht en eenvoudig te installeren
- Hoge betrouwbaarheid, zonder elektrolytische condensatoren
- Voor monitoring op paneelniveau
- Voor binnen- en buitenmontage



	SE2200H	SE3000H	SE3500H	SE3680H	
UITGANG					
AC-vermogen (nominaal)	2200	3000	3500	3680	VA
AC-vermogen (maximaal)	2200	3000	3500	4000	VA
AC-spanning (nominaal)	220 / 230				Vac
AC-spanningsbereik	184 - 264,5				Vac
AC-frequentiebereik (nominaal)	50 / 60 ± 5				Hz
AC-stroom (continue)	10	14	16	16	A
Lekstroomdetectie / reststroomstapdetector	300 / 30				mA
Netcontrole, anti-eilandbedrijf, instelbare arbeidsfactor, limieten per land instelbaar	Ja				
INGANG					
DC-vermogen (maximaal)	3400	4650	5425	5700	W
Transformatorloos, niet-geaard	Ja				
DC-spanning (maximaal)	480				Vdc
DC-spanning (nominaal)	380				Vdc
DC-stroom (maximaal)	8,5	11,5	13,5	15	Adc
DC-ompolingsbescherming	Ja				
Lekstroom detectie	600kΩ gevoeligheid				
Maximaal rendement	99,2				%
EU rendement	98,3		98,8		%
Stand-by verbruik	< 2,5				W
EXTRA FUNCTIES					
Ondersteunde communicatie	RS485, Ethernet, ZigBee (optioneel), Wifi (optioneel), Ingebouwde GSM (optioneel)				
NORM EN REGELGEVING⁽¹⁾					
Veiligheidsnormen	IEC-62109-1/2, AS-3100				
Elektriciteitsnetwerk standaards	AS-4777, VDE-AR-N-4105, VDE 0126-1-1, UTE C15-712, G83/2, G59/3, CEI-021, EN 50438, IEC61727, IEC62116, ÖNORM, TF3.2.1, C10-11, NRS 097-2-1				
EMC	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC Part 15 Class B				
INSTALLATIE SPECIFICATIES					
AC-kabel doorvoer	9 - 16				mm
AC-kabel diameteraansluitingen	1 - 16				mm ²
DC-aansluiting	1 x MC4				
Afmetingen (HxBxD)	280 x 370 x 142				mm
Gewicht	9,5				kg
Koeling	Natuurlijke convectie				
Bedrijfstemperatuur	-20 to +60 ⁽²⁾ (-40°C optioneel)				°C
Beschermingsklasse	IP65 – Buiten en binnen				

⁽¹⁾ Certificering in behandeling

⁽²⁾ De-rating van 50°C



RoHS



SolarEdge Three Phase Inverters

SE4K - SE12.5K

INVERTERS



Specifically designed to work with power optimizers

- Superior efficiency (98%)
- Small, lightest in its class, and easy to install
- Built-in module-level monitoring
- Internet connection through Ethernet or Wireless
- IP65 – Outdoor and indoor installation
- Fixed voltage inverter, DC/AC conversion only



SolarEdge Three Phase Inverters

SE4K - SE12.5K*

	SE4K**	SE5K	SE7K	SE8K	SE9K	SE10K	SE12.5K	
OUTPUT								
Rated AC Power Output	4000	5000	7000	8000	9000	10000	12500	VA
Maximum AC Power Output	4000	5000	7000	8000	9000	10000	12500	VA
AC Output Voltage - Line to Line / Line to Neutral (Nominal)	380 / 220 ; 400 / 230							Vac
AC Output Voltage - Line to Neutral Range	184 - 264.5							Vac
AC Frequency	50/60 ± 5							Hz
Maximum Continuous Output Current (per Phase)	6.5	8	11.5	13	14.5	16	20	A
Residual Current Detector / Residual Current Step Detector	300 / 30							mA
Grids Supported - Three Phase	3 / N / PE (WYE with Neutral)							V
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes							
INPUT								
Maximum DC Power (Module STC)	5400	6750	9450	10800	12150	13500	16850	W
Transformer-less, Ungrounded	Yes							
Maximum Input Voltage	900							Vdc
Nominal DC Input Voltage	750							Vdc
Maximum Input Current	7	8.5	12	13.5	15	16.5	21	Adc
Reverse-Polarity Protection	Yes							
Ground-Fault Isolation Detection	1MΩ Sensitivity							
Maximum Inverter Efficiency	98							%
European Weighted Efficiency	97.3	97.3	97.3	97.5	97.5	97.6	97.7	%
Nighttime Power Consumption	< 2.5							W
ADDITIONAL FEATURES								
Supported Communication Interfaces	RS485, Ethernet, Zigbee (optional), Wi-Fi (optional)							
STANDARD COMPLIANCE								
Safety	IEC-62103 (EN50178), IEC-62109							
Grid Connection Standards***	VDE 0126-1-1, VDE-AR-N-4105, AS-4777, G83 / G59							
Emissions	IEC61000-6-2, IEC61000-6-3 , IEC61000-3-11, IEC61000-3-12, FCC part15 class B							
RoHS	Yes							
INSTALLATION SPECIFICATIONS								
AC Output	Cable Gland - diameter 15-21							mm
DC Input	2 MC4 pairs							
Dimensions (HxWxD)	540 x 315 x 260							mm
Weight	33.2							kg
Operating Temperature Range	-20 - +60 (M40 version -40 - +60)							°C
Cooling	Fan (user replaceable)							
Noise	< 50							dB(A)
Protection Rating	IP65 - Outdoor and Indoor							
Bracket Mounted (Bracket Provided)								

* For higher power models refer to: <http://www.solaredge.com/files/pdfs/products/inverters/se-three-phase-inverter-extended-power-datasheet.pdf>

** Available in some countries; refer to Certifications category in Downloads page: <http://www.solaredge.com/groups/support/downloads>.

*** For all standards refer to Certifications category in Downloads page: <http://www.solaredge.com/groups/support/downloads>

