



KANZLER SOLAR GERMANY

كانسلر الالمانيه للطاقة الشمسيه - فرع القايره

www.kanzlersolar.com

من سابقه أعمال الشركة فن انحناء مجموعه مشاريع

solar inverter

Single Phase Inverters

Specifically designed to work with power optimizers

Superior efficiency (97.6%)

Small, lightweight 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



inpPUT	<u>SE2200</u>	<u>SE 3000</u>	<u>SE 3500</u>	<u>SE4000</u>	<u>SE5000</u>	<u>SE6000</u>
Maximum DC Power (Module STC)	2950	<u>4050</u>	<u>4700</u>	<u>5400</u>	<u>6750</u>	<u>8100</u>
Transformer-less, Ungrounded	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>
Maximum Input Voltage	<u>500</u>	<u>500</u>	<u>500</u>	<u>500</u>	<u>500</u>	<u>500</u>
Nominal DC Input Voltage	<u>350</u>	<u>350</u>	<u>350</u>	<u>350</u>	<u>350</u>	<u>350</u>
Maximum Input Current	8..5	11.5	13.5	15.5	19.5	23
Reverse-Polarity Protection	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>
Ground-Fault Isolation Detection	600kΩ Sensitivity	600kΩ Sensitivity	600kΩ Sensitivity	600kΩ Sensitivity	600kΩ Sensitivity	600kΩ Sensitivity
Maximum Inverter Efficiency	97.6	97.6	97.6	97.6	97.6	97.6
European Weighted Efficiency	97.6	<u>97,6</u>	<u>97,5</u>	<u>97,5</u>	<u>97,4</u>	<u>97,4</u>
Nighttime Power Consumption	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
<u>ADDITIONAL FEATURES</u>						
Supported Communication Interfaces(3)	RS485, Ethernet, ZigBee (optional), Wi-Fi (optional), Built-in GSM (optional)					
Smart Energy Management	Export Limitation, StorEdge applications					

Single Phase Inverters

Optimized installation with HD-Wave technology



<u>OUTPUT</u>	SE2200H	SE3000H	SE3500H	SE3680H		
<u>Rated AC power output</u>	2200	3000	3500	3680		
<u>Maximum AC power output</u>	2200	3000	3500	3680		
<u>AC output voltage Nominal</u> 220 - 230						
<u>AC output voltage Range</u>	184 - 264.5					
<u>AC Frequency Nominal</u>	50 / 60 ± 5					
<u>Max continuous output current (A)</u>	10	14	16	16		
Residual Current Detector / Residual Current Step Detector	300 / 30	300 / 30	300 / 30	300 / 30		
Utility Monitoring, Islanding Protection, Country	Yes	Yes Yes	Yes	Yes		
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes	Yes	Yes	Yes		

<u>INPUT</u>	SE2200H	SE3000H	SE3500H	SE3680H		
Maximum DC Power (Module STC) W	3400	4650	5425	5700		
Transformer-less, Ungrounded	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>		
Maximum Input Voltage <u>Vdc</u>	480	480	480	480		
Nominal DC Input Voltage <u>Vdc</u>	380	380	380	380		
Maximum Input Current	8.5	11,5	13,5	15		
Reverse-Polarity Protection	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>		
Ground-Fault Isolation Detection	600kΩ Sensitivity	600kΩ Sensitivity	600kΩ Sensitivity	600kΩ Sensitivity		
Maximum Inverter Efficiency	99.2	99.2	99.2	99.2		
European Weighted Efficiency	98.3	98.3	98.8	98.8		
Nighttime Power Consumption	< 2.5	< 2.5	< 2.5	< 2.5		
<u>ADDITIONAL FEATURES</u>						
Supported Communication Interfaces(3)	RS485, Ethernet, ZigBee (optional), WiFi (optional), Cellular (optional)					
Safty	IEC-62109-1/2, AS-3100					

Three Phase Inverters for Indoor Installation

Specifically designed to work with power optimizers

No external fan - Noise level suitable for residential environment

Superior efficiency (98%)

Small, lightest in its class, and easy to install

Built-in module-level monitoring

Internet connection through Ethernet or Wireless

Indoor installation

Fixed voltage inverter, DC/AC conversion only



<u>OUTPUT</u>	SE15K	SE16K	SE17K	SE25K	SE27K	
<u>Rated AC power output</u>	15000	16000	17000	25000	27600	
<u>Maximum AC power output</u>	15000	16000	17000	25000	27600	
<u>AC output voltage Nominal</u> 400 / 230 Vac						
AC Output Voltage - Line to Neutral Range	184 - 264.5					
<u>AC Frequency Nominal</u>	50/60 ± 5					
Maximum Continuous Output Current (per Phase)	23	25,5	26	38	40	
Residual Current Detector / Residual Current Step Detector	300 / 30	300 / 30	300 / 30	300 / 30	300 / 30	
Grids Supported - Three Phase	3 / N / PE (WYE with Neutral); 230 / 400	3 / N / PE (WYE with Neutral); 230 / 400	3 / N / PE (WYE with Neutral); 230 / 400	3 / N / PE (WYE with Neutral); 230 / 400	3 / N / PE (WYE with Neutral); 230 / 400	
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes	Yes Yes	Yes	Yes	Yes	

<u>inpPUT</u>	SE15K	SE16K	SE17K	SE25K	SE27K
Maximum DC Power (Module STC)	18750	20000	21250	33750	37250
Transformer-less, Ungrounded	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>
Nominal DC Input Voltage DC to Gnd	<u>375</u>	<u>375</u>	<u>375</u>	<u>375</u>	<u>375</u>
Maximum Input Voltage DC to Gnd	<u>415</u>	<u>415</u>	<u>415</u>	<u>415</u>	<u>415</u>
<u>Nominal DC input . Voltag DC to AC</u>	750	750	750	750	750
Maximum Input Voltage DC+ to DC-	<u>830</u>	<u>830</u>	<u>830</u>	<u>830</u>	<u>830</u>
Maximum Input Current ADC	<u>22</u>	<u>23</u>	<u>23</u>	<u>37</u>	<u>40</u>
Ground-Fault Isolation Detection	700kΩ Sensitivity	700kΩ Sensitivity	700kΩ Sensitivity 700kΩ Sensitivity	700kΩ Sensitivity	700kΩ Sensitivity
Maximum Inverter Efficiency	<u>98</u>	<u>98</u>	<u>98</u>	<u>98,3</u>	<u>98,3</u>
Nighttime Power Consumption	97.6	97.7	97.7	<u>98</u>	<u>98</u>
Dimensions with Safety Unit (HxWxD)	775 x 315 x 260	775 x 315 x 260	775 x 315 x 260	775 x 315 x 260	775 x 315 x 260
Operating Temperature Range	20 - +60 (M40 version -40 - +60)	20 - +60 (M40 version -40 - +60)	20 - +60 (M40 version -40 - +60)	20 - +60 (M40 version -40 - +60)	20 - +60 (M40 version -40 - +60)
AC output conduit size / AWG range	19.05 minimum / 12-6 AWG	19.05 minimum / 12-6 AWG	19.05 minimum / 12-6 AWG	19.05 minimum / 12-6 AWG	19.05 minimum / 12-6 AWG

