



# SOLENSO

## SINGLE PHASE & DUAL MPPT

### DS\_4000/5000/6000W

Application: Family Use



#### SUPERIOR EFFICIENCY

- Maximum efficiency 97.6%
- String current 13A, compatible with high power modules
- 150% PV configuration, 110% output overload



#### HIGH RELIABILITY

- Natural Cooling
- Die-cast aluminum case
- APP for local settings & display



#### INTELLIGENT MAINTENANCE

- Easy installation, light weight and small size
- Remote configuration and upgrade
- Supports export control



Model	DS_4000W	DS_5000W	DS_6000W
<b>Efficiency</b>			
Max. Efficiency	97.5%	97.6%	97.6%
European Efficiency	97.2%	97.3%	97.3%
<b>Input(PV)</b>			
Max. Input Voltage		600V	
Max. PV configuration (STC)		150%	
Rated Input Voltage		360V	
Max. Input Current		26A (2*13A)	
Max.Short Circuit Current		30A (2*15A)	
Start Input Voltage		90V	
MPPT Operating Voltage Range		70V-580V	
Max. Number of PV Strings		2(1/1)	
No. of MPPTs		2	
<b>Output(Grid)</b>			
Rated AC Active Power	4,000W	5,000W <sup>③</sup>	6,000W
Max. AC Apparent Power	4,400VA	5,500VA <sup>③</sup>	6,600VA
Max. AC Active Power (PF=1)	4,400W	5,500W <sup>③</sup>	6,600W
Max. AC Output Current	19.1A	23.8A	28.6A
Rated AC Voltage		220V/230V, L+N+PE	
AC Voltage Range <sup>①</sup>		160V-300V (Adjustable)	
Rated Grid Frequency		50Hz / 60Hz	
Grid Frequency Range <sup>②</sup>		45Hz-55Hz / 55Hz-65Hz (Adjustable)	
THDI		<3% (Rated Power)	
DC Current Injection		<0.5%In	
Power Factor		>0.99 Rated power (Adjustable 0.8 Leading-0.8 Lagging)	
<b>Protection</b>			
DC switch		Support	
Anti-islanding protection		Support	
AC overcurrent protection		Support	
AC short circuit protection		Support	
DC reverse connection		Support	
Surge Arrester		AC Type III	
Insulation detection		Support	
Leakage current protection		Support	
<b>General</b>			
Topology		Transformerless	
IP Rating		IP65	
Night Self Consumption		<1W	
Cooling		Natural cooling	
Operating Temperature Range		-25°C-60°C	
Relative Humidity Range		0-100%	
Max. Operating Altitude		4000m	
Noise (typical)		<30dB	
Dimensions (W*H*D)		335*426*125mm	
Weight		12.8kg	
<b>HMI &amp; COM</b>			
Display		Wireless & APP+LED, LCD (Optional)	
Communication		WiFi, RS485 / GPRS / 4G / LAN (Optional)	
<b>Certification</b>			
Safety		IEC62109-1, IEC62109-2	
EMC		EN 61000-6-1/3	
Grid Code		VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001	
<b>Warranty</b>		5 Years/10 Years (Optional)	

- Remarks :**
- <sup>①②</sup>The range of output voltage and frequency may vary depending upon different grid codes.
  - <sup>③</sup>The maximum apparent power of the SE 5KTL-D1 is 4600 VA if the Germany VDE-AR-N 4105 grid code is selected
  - Specifications are subject to change without advance notice.