



# SOLENSO

## SINGLE PHASE & SINGLE MPPT

### DS\_2000/3000/3600W

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_2000W	DS_3000W	DS_3600W
<b>Efficiency</b>			
Max. Efficiency	97.4%	97.6%	97.6%
European Efficiency	96.8%	97.3%	96.3%
<b>Input(PV)</b>			
Max. Input Voltage		600V	
Max. PV configuration (STC)		150%	
Rated Input Voltage		360V	
Max. Input Current		13A	
Max.Short Circuit Current		15A	
Start Input Voltage		90V	
MPPT Operating Voltage Range		70V-580V	
Max. Number of PV Strings		1	
No. of MPPTs		1	
<b>Output(Grid)</b>			
Rated AC Active Power	2,000W	3,000W	3,600W
Max. AC Apparent Power	2,200VA	3,300VA	3,960VA
Max. AC Active Power (PF=1)	2,200W	3,300W	3,960W
Max. AC Output Current	9.5A	14.3A	17.2A
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)		285*336*125mm	
Weight		8.8kg	
<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	
Warranty		5 Years	

Remarks: • <sup>①②</sup>The range of output voltage and frequency may vary depending upon different grid codes.  
• Specifications are subject to change without advance notice.