



SUNWAY P☀️WER

Green and Creative
HEFEI SUNWAY POWER



PERFORMANCE FEATURES

- Using the fifth efficient IPM power module from Mitsubishi
- High conversion efficiency, Max. Efficiency $\geq 98\%$
- Perfect protection and warning functions
- Low Frequency Transformer, which ensures that inverter has high efficiency and low no-load loss
- Pure sine wave output, has higher efficiency and higher capability of driving load
- LCD display, high efficiency, easy installation
- European CE Certificate and Australian CEC listed



TECHNOLOGY PARAMETERS

Model	SWI-10KW		SWI-15KW	
Isolation	Low Frequency Transformer			
DC Input				
Input rated voltage	96V	192V	192V	220V
Input rated current	62.5A	31A	36.5A	31.8A
AC Output				
Rated AC output power	10KW		15KW	
AC output waveform	Pure sine wave			
Phases	Single-Phase	Three-Phase	Single-Phase	Three-Phase
Output rated voltage	220VAC ±3%	380VAC ±3%	220VAC ±3%	380VAC ±3%
Output Frequency	50Hz/60Hz±0.05Hz			
Output rated current	45.5A	26.3A	68A	39.5A
Performance				
Charging function	Charger external			
Power Factor(PF)	0.8			
Overload Ability	150%, 10s			
Efficiency	≥98%			
Total voltage waveform distortion rate	<3%(Linear load)			
Crest Factor (CF)	3:1			
Display	LCD			
Electrical insulation properties	2000Vac, 1 Minute			
Ambient temperature	-15°C to+55°C			
Using environment humidity	0~90%, No condensation			
Protection	Input reverse polarity, under voltage, over voltage, output over current, short circuit, overheating etc.			
Cooling method	Convection with cooling fans			
Noise	<40dB			
Degree of protection	IP20(indoor)			
Using altitude [m]	≤2000			
Dimension (L*D*H) [mm]	500*600* 860			
Net Weight [Kg]	120		153	



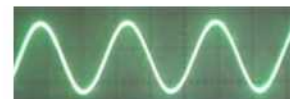
TECHNOLOGY PARAMETERS

Model	SWI-20KW		SWI-25KW	
Isolation	Low Frequency Transformer			
DC Input				
Input rated voltage	220V	240V	192V	220V
Input rated current	90.9A	83.3A	46.8A	41A
AC Output				
Rated AC output power	20KW		25KW	
AC output waveform	Pure sine wave			
Phases	Single-Phase	Three-Phase	Single-Phase	Three-Phase
Output rated voltage	220VAC \pm 3%	380VAC \pm 3%	220VAC \pm 3%	380VAC \pm 3%
Output Frequency	50Hz/60Hz \pm 0.05Hz			
Output rated current	90.9A	52.6A	65.8A	
Performance				
Charging function	Charger external			
Power Factor(PF)	0.8			
Overload Ability	150%, 10s			
Efficiency	\geq 98%			
Total voltage waveform distortion rate	<3%(Linear load)			
Crest Factor (CF)	3:1			
Display	LCD			
Electrical insulation properties	2000Vac, 1 Minute			
Ambient temperature	-15°C to+55°C			
Using environment humidity	0~90%, No condensation			
Protection	Input reverse polarity, under voltage, over voltage, output over current, short circuit, overheating etc.			
Cooling method	Convection with cooling fans			
Noise	<40dB			
Degree of protection	IP20(indoor)			
Using altitude [m]	\leq 2000			
Dimension (L*D*H) [mm]	550*700*1000		650*700*1180	
Net Weight [Kg]	190		240	



TECHNOLOGY PARAMETERS

Model	SWI-30KW			SWI-35KW	
Isolation	Low Frequency Transformer				
DC Input					
Input rated voltage	240V	300V	360V	300V	360V
Input rated current	125A	100A	83.3A	116.6A	97.2A
AC Output					
Rated AC output power	30KW			35KW	
AC output waveform	Pure sine wave				
Phases	Three-Phase			Three-Phase	
Output rated voltage	380VAC \pm 3%			380VAC \pm 3%	
Output Frequency	50Hz/60Hz \pm 0.05Hz				
Output rated current	78.9A			92.1A	
Performance					
Charging function	Charger external				
Power Factor(PF)	0.8				
Overload Ability	150%, 10s				
Efficiency	\geq 98%				
Total voltage waveform distortion rate	$<$ 3%(Linear load)				
Crest Factor (CF)	3:1				
Display	LCD				
Electrical insulation properties	2000Vac, 1 Minute				
Ambient temperature	-15 $^{\circ}$ C to+55 $^{\circ}$ C				
Using environment humidity	0~90%, No condensation				
Protection	Input reverse polarity, under voltage, over voltage, output over current, short circuit, overheating etc.				
Cooling method	Convection with cooling fans				
Noise	$<$ 40dB				
Degree of protection	IP20(indoor)				
Using altitude [m]	\leq 2000				
Dimension (L*D*H) [mm]	650*700*1200			650*750*1200	
Net Weight [Kg]	272			350	



TECHNOLOGY PARAMETERS

Model	SWI-40KW		SWI-50KW	
Isolation	Low Frequency Transformer			
DC Input				
Input rated voltage	300V	360V	360V	492V
Input rated current	133A	111A	138.8A	101.6A
AC Output				
Rated AC output power	40KW		50KW	
AC output waveform	Pure sine wave			
Phases	Three-Phase		Three-Phase	
Output rated voltage	380VAC \pm 3%		380VAC \pm 3%	
Output Frequency	50Hz/60Hz \pm 0.05Hz			
Output rated current	105.2A		131.5A	
Performance				
Charging function	Charger external			
Power Factor(PF)	0.8			
Overload Ability	150%, 10s			
Efficiency	\geq 98%			
Total voltage waveform distortion rate	$<$ 3%(Linear load)			
Crest Factor (CF)	3:1			
Display	LCD			
Electrical insulation properties	2000Vac, 1 Minute			
Ambient temperature	-15 $^{\circ}$ C to+55 $^{\circ}$ C			
Using environment humidity	0~90%, No condensation			
Protection	Input reverse polarity, under voltage, over voltage, output over current, short circuit, overheating etc.			
Cooling method	Convection with cooling fans			
Noise	$<$ 40dB			
Degree of protection	IP20(indoor)			
Using altitude [m]	\leq 2000			
Dimension (L*D*H) [mm]	650*750*1200		700*750*1400	
Net Weight [Kg]	350		410	



TECHNOLOGY PARAMETERS

Model	SWI-100KW	SWI-150KW
Isolation	Low Frequency Transformer	
DC Input		
Input rated voltage	492V	492V
Input rated current	203A	305A
AC Output		
Rated AC output power	100KW	150KW
AC output waveform	Pure sine wave	
Phases	Three-Phase	Three-Phase
Output rated voltage	380VAC \pm 3%	380VAC \pm 3%
Output Frequency	50Hz/60Hz \pm 0.05Hz	
Output rated current	263A	395A
Performance		
Charging function	Charger external	
Power Factor(PF)	0.8	
Overload Ability	150%, 10s	
Efficiency	\geq 98%	
Total voltage waveform distortion rate	<3%(Linear load)	
Crest Factor (CF)	3:1	
Display	LCD	
Electrical insulation properties	2000Vac, 1 Minute	
Ambient temperature	-15°C to+55°C	
Using environment humidity	0~90%, No condensation	
Protection	Input reverse polarity, under voltage, over voltage, output over current, short circuit, overheating etc.	
Cooling method	Convection with cooling fans	
Noise	<40dB	
Degree of protection	IP20(indoor)	
Using altitude [m]	\leq 2000	
Dimension (L*D*H) [mm]	900*1100*1860	900*1100*1860
Net Weight [Kg]	700	850



TECHNOLOGY PARAMETERS

Model	SWI-200KW	SWI-250KW
Isolation	Low Frequency Transformer	
DC Input		
Input rated voltage	492V	492V
Input rated current	406.5A	508A
AC Output		
Rated AC output power	200KW	250KW
AC output waveform	Pure sine wave	
Phases	Three-Phase	Three-Phase
Output rated voltage	380VAC ±3%	380VAC ±3%
Output Frequency	50Hz/60Hz±0.05Hz	
Output rated current	526.3A	657.8A
Performance		
Charging function	Charger external	
Power Factor(PF)	0.8	
Overload Ability	150%, 10s	
Efficiency	≥98%	
Total voltage waveform distortion rate	<3%(Linear load)	
Crest Factor (CF)	3:1	
Display	LCD	
Electrical insulation properties	2000Vac, 1 Minute	
Ambient temperature	-15°C to+55°C	
Using environment humidity	0~90%, No condensation	
Protection	Input reverse polarity, under voltage, over voltage, output over current, short circuit, overheating etc.	
Cooling method	Convection with cooling fans	
Noise	<40dB	
Degree of protection	IP20(indoor)	
Using altitude [m]	≤2000	
Dimension (L*D*H) [mm]		
Net Weight [Kg]		

