

6.5 Trial operation

On completion of all electrical connections, follow the procedure below for the inverter to start up.

- (1) Ensure the inverter is connected correctly to the utility grid
- (2) Ensure the polarity of the PV module is correctly connected
- (3) Ensure the AC and DC terminals are firmly connected

7. Appendix A

7.1 Technical specifications

INPUT

Product model	SPE-M260W
DC input	
PV module power (STC)range (W)	230-300
DC input branch number	1
Max input power DC (W)	300
Input STC Voc DC (V) *	26-52
MPPT range(V)	22-45
Max input current (A)	15
AC output	
	China/Europe specifications
Max cont output power (W)	260
Max cont output current (A)	1.2
Voltage AC (V)	220/230
Operating voltage range (V) *	180-260
Frequency AC (Hz)	50
Operating frequency (Hz) *	48-52

System Parameters

	United States/Taiwan specifications
Max cont output power (W)	260
Max cont output current (A)	2.3
Voltage AC (V)	120
Operating voltage range (V) *	94 - 140
Frequency AC (Hz)	60
Operating frequency (Hz) *	58-62
Other electrical properties	
Factor rating	>0.99
THD grid curren	<5%
Islanding protection	VAC;FAC
Working status indication	LED/LCD
Efficiency	
MPPT tracking efficienc	≥99%
Peak inverter efficiency	94%
Standby power consumption at night	<150mW
Mechanical Data	
Storage temperature range	- 20°C/+60°C
Operating ambient temperature range	- 20°C/+60°C
Dimensions (L x W x H,mm)	195*165*35
Weight(KG)	0.9

Protection class	Ip65
Cooling	Fan forced convection
Other	
PV components	monocrystalline, polycrystalline, thin film solar panels
communication	Wireless or RS485
Design and operation of life	25 Years
EMC Compliance	EN61000-6-1/EN6100-6-3
Grid standards	VDE0126
Safety Standards	EN50178
* Can be adjusted according to customer requirements or selected	

Parts List

Accessory name	Quantity
Standard power cord	1 PC
Manual	1 PC

8. Appendix B

8.1 Quality assurance

(1) Warranty period

Convention shelf life in accordance with the contract of sale.