



FAQ / Application Note

Subject : How to make a power cable for your inverter?

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Purpose : How to make a power cable for you inverter.

Please follow following procedure to make a power cable for your inverter :

1. Please check the inverter's datasheet and find the input connector pin definition.
For example, below is 968E000006(QF82V2)'s input connector pin definition:

6-1. (P1) Input Connector

PIN No	Symbol	Description
1	Vin	DC+12V
2	Vin	DC+12V
3	GND	Ground
4	GND	Ground
5	Control	ON/OFF control ON=+5V OFF=0V
6	Brightness	Digital Brightness Control
7	GND	Ground

- Note:1.“control(on/off)” pin should be connected to “ENBKL” signal on Avalue board.
2.“brightness(or VR)” pin should be connected to “VR” signal on Avalue board.

2. Following is inverter power connector pin definition on Avalue board :

PIN No	Symbol	Description
1	12V	DC+12V
2	GND	GND
3	ENBKL	On/off control signal for LCD backlight
4	VR	Backlight Brightness control
5	5V	DC+5V



3. Therefore you can create a inverter power cable mapping for the inverter as below:

Inverter		Avalue Board	
Symbel	Pin No.	Pin No.	Symbel
Vin	1	1	DC+12V
Vin	2	1	DC+12V
GND	3	2	GND
GND	4	2	GND
Control	5	3	ENBKL
Brightness	6	4	VR
GND	7		