

PW205

Wide range input voltage power board with power Ignition on/off delay function

Introduction:

PW205 is a wide range 9V-36V input voltage power board which supports power ignition on/off delay function (Car Power Control) for in-vehicle equipments which require wide range power input. PW205 supports adjustable power ignition On/Off delay time.

TOP



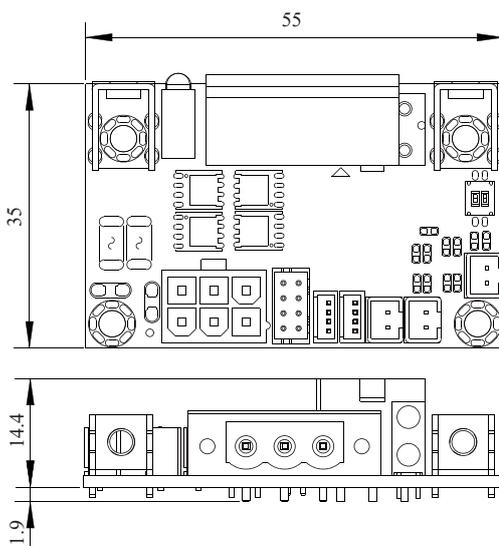
Features:

- DC Input: 9V~36V
- Output voltage: 9V~36V (By pass Vin)
- Output Current: 10A
- CPC: Power ignition on/off delay function
- Protections: SCP, OCP, OVP, SVP, UVP

Specification:

Type	DC to DC
Input	3pin TB
Output port	2 x 3pin ATX & 2 x 4 wafer type
CPC Function	SMBus wafer, SW wafer
Operating Temperature	-40°C ~ +85°C
Dimensions	55 x 35 mm

Mechanical Drawing:



Ordering Information:

6G9102-0033001-0 PW205-001

PIN	1	2	3
Description	Ign	V+	V-
DC-IN	Car ignition in	Car BAT+	Car BAT-



CPO1: ATX 2X3 Power 90°

PIN	2,4,6	1,3,5	6 4 2 5 3 1
DC-IN	GND	+9V ~ +36V	

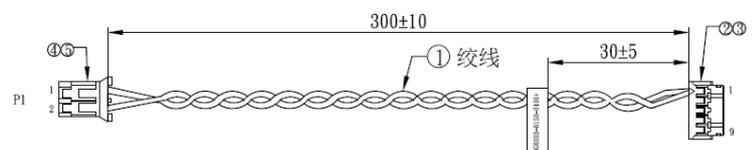
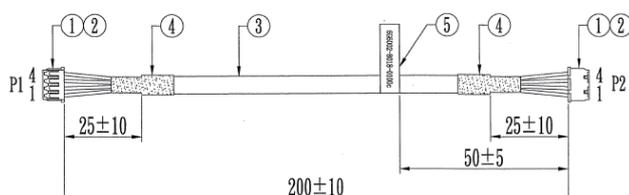
CPO2: 2 x 4 Pin 2.00mm pitch180° wafer: Red color.

PIN	3,4,5,6	1,2,7,8	8 6 4 2 7 5 3 1
DC-IN	+9V ~ +36V	Ground	

Cable Information (Option):

6G6002-8018-0100 L=20cm, 4p / 1.25 to 4p / 1.25

6G6003-0150-0100 L=30cm, 2.0 2 x 5 / 2.0 1 x 2

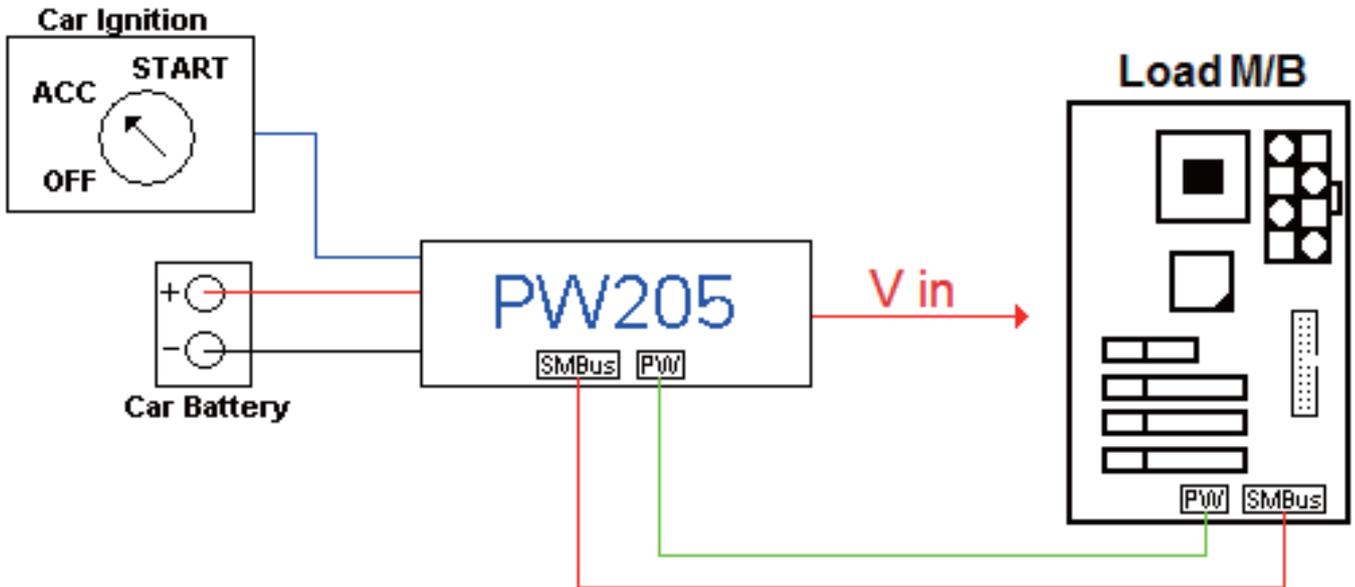


Specification are subject to change without prior notice. ODM / OEM is available.

Working Instruction

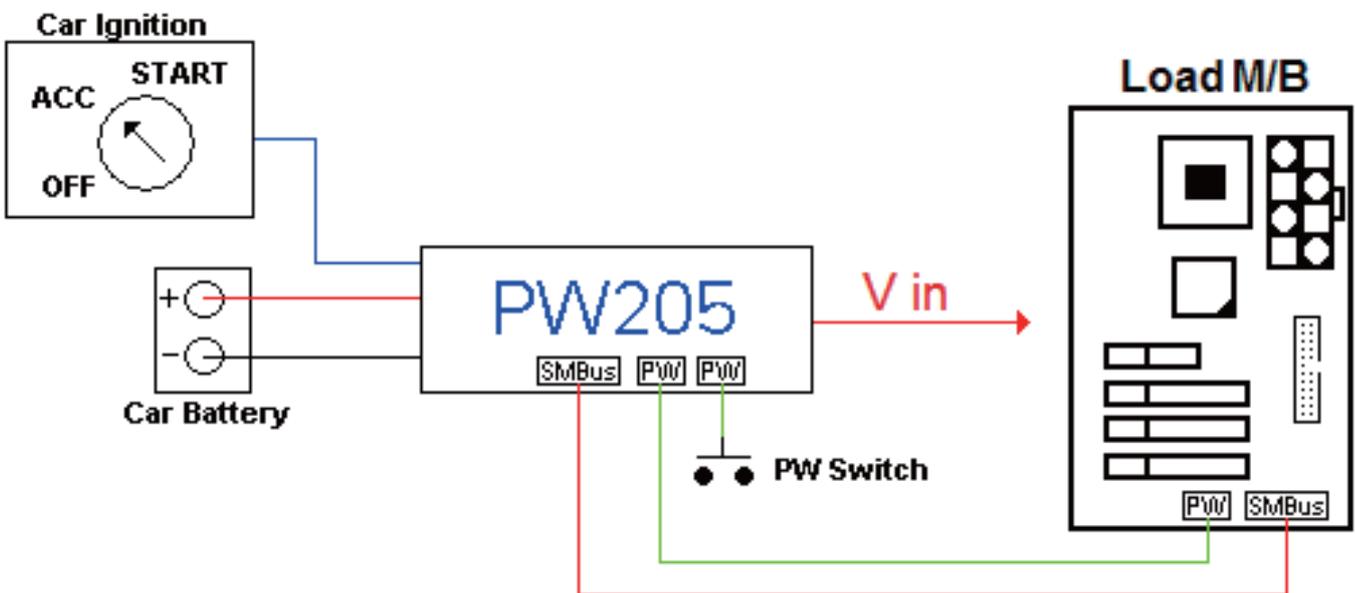
Auto Mode

This is M/B connecting Diagram under the Auto Mode status

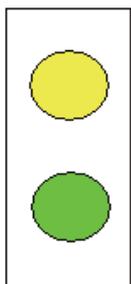


Manual Mode

This is M/B connecting Diagram under the Manual Mode status.



Car Power Control (CPC) LED behavior



LED	Function	Active
Yellow	PW205 Vout Enabled	ON
	PW205 Vout Disabled	OFF
CPC Status indicator		
Green	Delay Main Power On	ON:0.3sec, OFF:1sec
	OS Delay Off	ON:0.3sec x2, OFF:1sec
	Main Power Off delay	ON:1sec, OFF:1sec
	Battery Low Voltage	ON:0.3sec, OFF:0.3sec