

## Sound test of blower fan for Automobiles

Electric vehicles and hybrid vehicles run with motors, so there is less noise inside the car. Therefore, the noise of air-conditioning fans and battery cooling fans poses a problem.

When measuring the noise of the blower fan, if there is a cooling fan in the driven DC power supply, that sound becomes a problem.

The PFR series adopts a fanless structure and is compact. Since the output is 100 W, it is most suitable for the noise test of automotive fans.

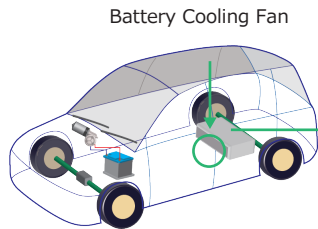
Furthermore, if the test mode is used, the operation test can be performed under various conditions. Since LAN is installed as standard, it is also possible to control from a remote location.

### The fanless structure

It is best for power supply of noise test.

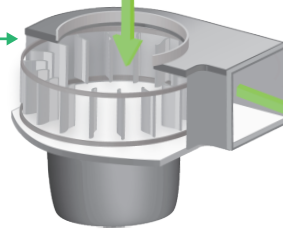


Quiet



Battery Cooling Fan

Sirocco Fan



Sound Level Meters



It is quiet because there is no fan noise

#### Example : Test script



Test Script (CSV File)

	A	B	C	D	E	F
1	memo	Hone test				
2	DisplayItem	VI				
3	CycleItems	Number	Start Step	End step		
4	Cycle	50000	2	3		
5	Step	Point	Output	Time(sec)	Voltage(V)	Current(A)
6	1	Start	Off	0.5	0	7
7	2		On	1	13	7
8	3		Off	4	13	7
9	4	End	Off	0.5	0	7
10						

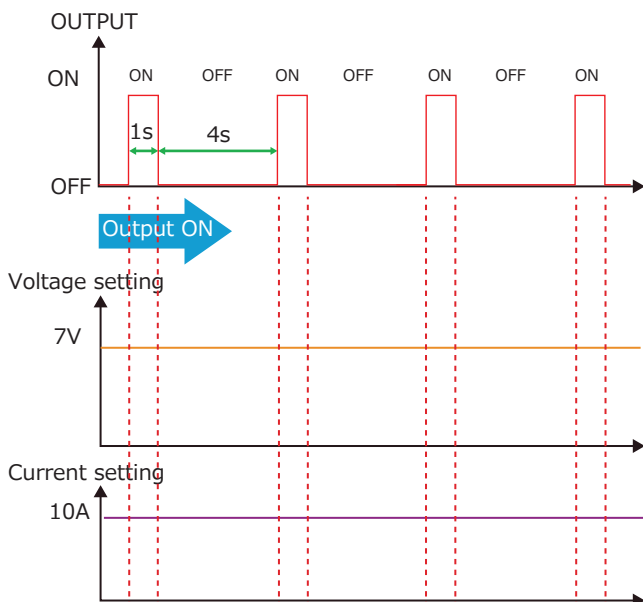
Voltage : 13.0V

Current : 4.0A

Cycle : 50,000



#### Pattern : Durability test



#### 5 Times Multi-range(V&I) Operation

