

Emergency DC Power Supply

YNV series

This device is DC uninterruptible power equipment mainly for a plant backup.
Yamabishi will produce a design according to user's needs.

本机器为主要用于成套设备断电保护的直流不间断电源装置。
是本公司根据用户的用途设计制造的。



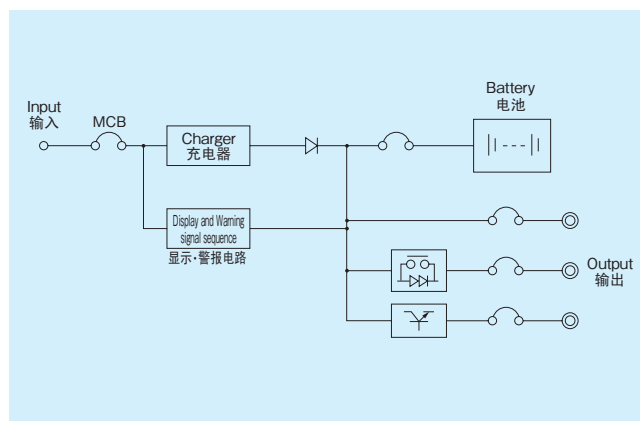
Application 用途

- Plant backup
成套设备断电保护
- Communication machine, PBX backup
通讯器, PBX 断电保护
- For broadcasting equipment, illumination, etc.
广播设备, 照明用 等

Feature 特长

- Full automatic charge method allows easy routine maintenance.
由于采用全自动充电方式, 保养非常简单。
- Equalizing charge is possible just at one touch of a button.
只要按下按钮就可以进行均匀充电。
- Constant voltage and constant-current system prevent overcharge and overcurrent.
可以利用定电压和定电流方式防止过充电和过电流。

Block diagram 结构图



Specifications 规格

Please specify for each item.

Output voltage	DC 24V 48V 100V 200V
Capacity of current	10A 20 30A 40A 50A 75A 100A 150A 200A 250A 300A 400A and more
Backup time	10 min 30 min 1 hour 2 hours and more
Kind of battery	Alkali Lead Lead seal (Entering liquid) Maintenance free
Output branch	1 circuit 2 circuit 4 circuit 8 circuit and more

请对各项进行确定。

输出电压	DC 24V 48V 100V 200V
电流容量	10A 20 30A 40A 50A 75A 100A 150A 200A 250A 300A 400A 以上
保护断电时间	10 分钟 30 分钟 1 个小时 2 个小时 以上
蓄电池种类	铅 铅密封 免维修
输出分支	一条电路 两条电路 三条电路 四条电路 八条电路 以上 (用户任意设定)

紧急用直流电源装置

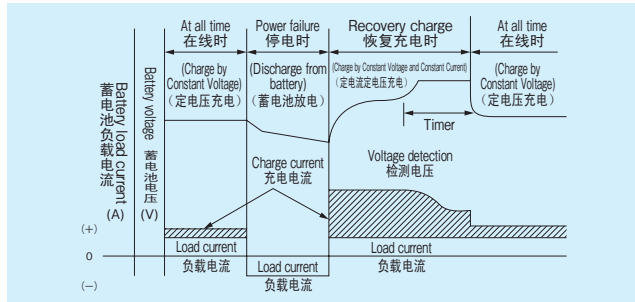
YNV系列

● Full automatic charge feature

Because the fully automatic charge method was designed aiming at fully automated DC power device, daily maintenance is simple. Regardless of the length of power failure, the most optimized charge is constantly done automatically and user can practice periodical checkup of equalizing charge one-touch method with a button.

●全自动充电的特性

全自动充电方式由于是以直流电源装置无人化为目标设计的，所以日常维护保养非常简单。不论停电时间长短，都可以自动进行最适当的充电，定期检查时可通过一键式操作进行均匀充电。



● Constant voltage and constant-current feature

When the output of rectifier is within rated current, the fixed voltage characteristic is kept. When charging or load current increases over the rated value, the output voltage is lowered by drooping characteristics and the fixed voltage characteristic is lost. It becomes a fixed current characteristic. It is a necessary function to prevent overcurrent of rectifier and overcharging of storage battery.

The fixed voltage accuracy is input voltage $\pm 10\%$, and for variability of output current 0 to 100%, $\pm 1.5\%$ at drift condition, and $\pm 2.0\%$ at evenness.

●额定电压，额定电流的特性

整流器需要具有以下的功能，即整流器输出在额定电流内保持定电压特性，停电后的充电及负载电流增大并超过额定值时，输出电压因下降特性而降低，失去定电压特性，变成定电流特性，防止蓄电池的过充电以及整流器的过电流。

相对输入电压的精度为 $\pm 10\%$ ，输出电流的精度为 0 ~ 100%，定电压的精度在浮动时为 $\pm 1.5\%$ ，均匀时为 $\pm 2.0\%$ 。

