

Main Configuration

- ATS switch (with intelligent controller)
- Intelligent automatic controller (PLC600+)
- ATS communication connector
- Control signal terminals
- Grounding copper bar
- Electrical mounting plate(aluminum zinc coated plate)
- Standard electric cabinet

ATS Main Performance

- Padlock and on-off position indication, reliably realize the isolation of power supply and load.
- Four operating functions:
 - ✧ Emergency manual operation
 - ✧ Electric remote control operation
 - ✧ Emergency disconnect operation under automatic control state
 - ✧ Automatic control operation
- Three working states (I-O-II):
 - ✧ Common closing and standby opening;
 - ✧ Common opening, standby closing;
 - ✧ Common and standby power sources are both disconnected.

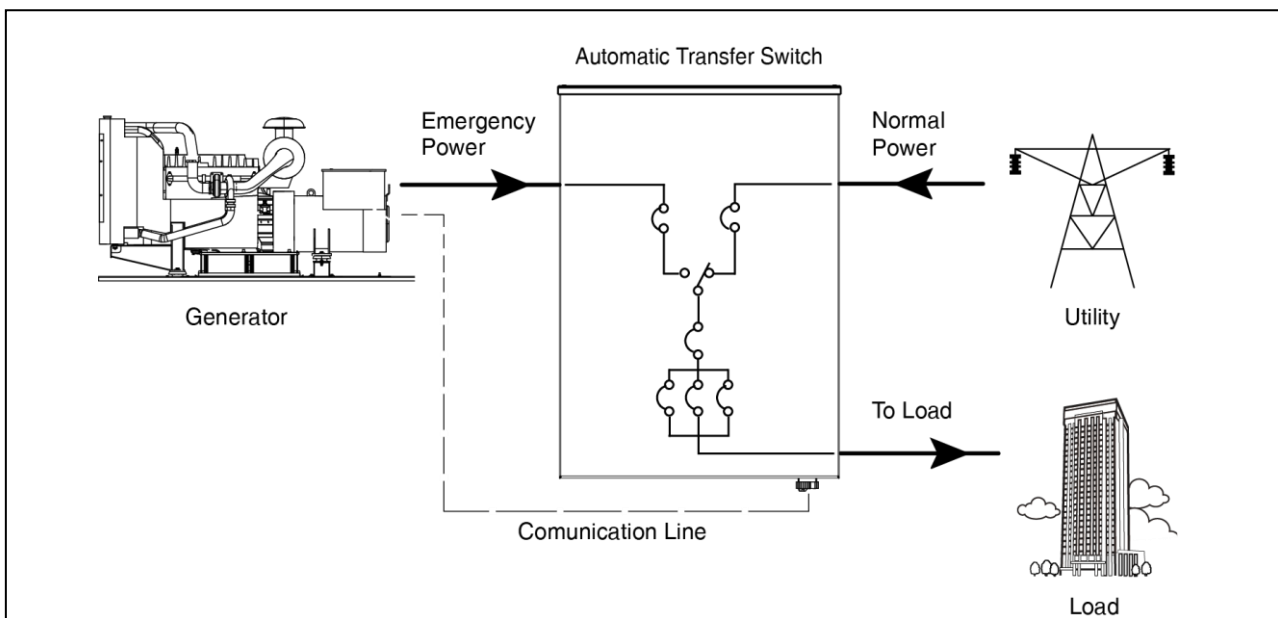
Working Conditions

- Ambient temperature : $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- Altitude : Below 2000m
- Humidity : Less than 80%



Main Features

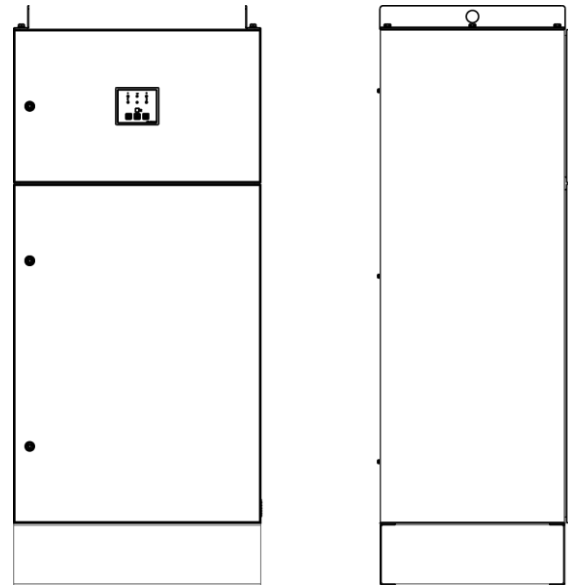
1. Intelligent controller uses IC as the control core.
2. Adopte built-in sampling line.
3. Strong anti-interference ability.
4. Full functions, with overvoltage, undervoltage and open phase switching.
5. Double breakpoint horizontal pull mechanism is adopted, which is safe and reliable in switching on and off.
6. The actuating load disconnecting switch is equipped with mechanical interlock.
7. Normal and standby power sources work reliably with non interference.
8. Adopt the zero-position technology, which can be set to zero compulsivly in case of emergency.
9. Protection class: IP23, indoor application.



Main Technical Data

Rated operating current I_e (A)	1600A
Rated working voltage U_e	AC400V
Rated control voltage U_c	AC220V, DC24V, 48V
Rated working frequency F_r	50Hz
Rated insulation voltage U_i	690V
Impulse withstand voltage U_{imp}	8kV
Use category	AC-33B
Short circuit making capacity I_{cm}	67.5kA
Short time withstand current I_{cw}	32kA/60ms
Switching time	1.8 s

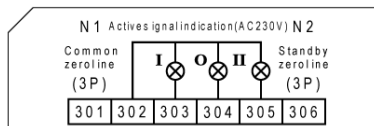
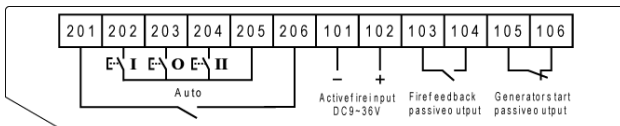
Overall Dimension



Model	Length	Width	Height	Weight
PC1600A	800	620	1875	236 kg

Dimension unit: mm

ATS Communication Diagram



Design Standard

- IEC60947-1/GB/T 14048-2000 Low-voltage switchgear and controlgear— General rules
- IEC60947-3/GB 14048.3 Low voltage switchgear and controlgear switches, disconnectors, switch-disconnectors and fuse-combination units
- IEC60947-6-1/GB 14048.11 Automatic transfer switchgear equipment