

iSURFACE W

**STATIC
POWER**
SMART | SOLID | SAFE



The Wall Mount Solution

The Model W is a Surface-mount unit for use at the point of distribution where the STS is close to the load. It has an excellent power rating to size ratio, ideal for high-current small-space installation.



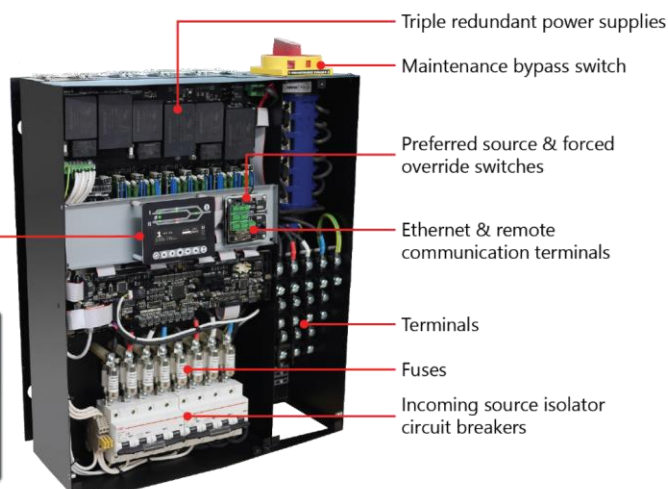
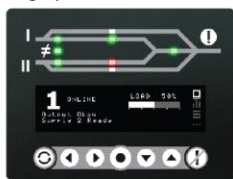
Key features

- Space saving wall-mount design
- Built-in transient voltage protection
- UPS Eco-Mode compatible
- Safe asynchronous source transfers
- Very high MTBF (>800,000 hours)
- LED mimic decal with graphic OLED interface
- One touch transfers
- Visual and sound alarm
- Integrated web server
- Remote operation
- High-level interface - MODBUS, SNMP
- Email alerts
- Clock synchronisation with NTP
- Incoming source isolator switches
- Integrated maintenance bypass
- Redundant fan cooling
- 5 x voltage free contacts & remote inputs
- Australian designed & manufactured

Front panel removed to show protection panels



LED mimic decal with graphic OLED interface



Current rating	1Ph: 160A max 3Ph: 100A max
Voltage rating	All region-specific voltages selectable $\pm 10\%$
Type	1-Phase/2-Pole, 3-Phase/3-Pole or 3-Phase/4-Pole
Frequency	50Hz and 60Hz, $\pm 10\%$ - Auto detection
Transfer type	Break-Before-Make zero current transfer by Thyristors / SCR
Synchronous break time	<1ms - asynchronous break time up to $\frac{1}{4}$ cycle
MTBF	>800,000 hours
Maintenance bypass	3-position overlapping, no-break CAM switch
Isolation	Incoming sources isolator switches
Display	Bi-colour LED mimic decal with graphic OLED display and information interface
Interface	Preferred supply selection, Source transfer selection and Alarm cancel button
Contact	2 Self wetting transfer control inputs 5 Voltage free change-over status indicators, Form C
Ethernet	HTTP, SNMP, MODBUS TCP, Email & NTP
Input options	Fixed wiring to terminals up to 70mm ² cables via glands
Output options	Fixed wiring to terminals up to 70mm ² cables via glands
Dimensions H x W x D	550 x 460 x 260mm
Weight	25kg
Temperature	0 – 45°C
IP rating	IP20
Detection	Digital: <1ms
Asynchronous break time	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
Loading	0 - 100% @45°C ambient
Device ratings	134A _{RMS} , 1400V, 2kA 1 cycle
Overload @40°C ambient	125A for 30s 140A for 1s 250A for 0.1s 2kA for 1 cycle
Fault current setting	350% peak with load fault transfer inhibit
Safe install environment	20kA, 100A/200A internally fused
Protection	100A/200A fuses – FE/FEE BS88
Power factor	No practical limit
Max THDV	10% - Max allowable source voltage distortion
Crest factor	3.5 : 1
dV/dt max	800V/ μ s
Cooling	Redundant fans
Humidity @40°C ambient	5 – 95% non-condensing

Specifications are subject to change without notice

