

# iRACK A1

**STATIC  
POWER**  
SMART | SOLID | SAFE



Superior in performance and ruggedness to relay based or hybrid type transfer switches, the Model A1 is a true solid-state Static Transfer Switch that allows safe and seamless switching of a critical load between two power supplies.

## Key features

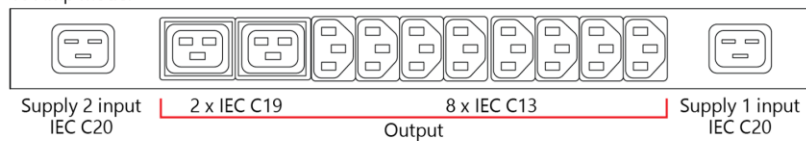
- Small 1RU design
- 1-phase, 2-pole
- Built-in transient voltage protection
- UPS Eco-Mode compatible
- RCD site compatibility
- Safe asynchronous source transfers
- Very high MTBF (>1,000,000 hours)
- Back feed protection contactors
- Manual and automatic transfers selection
- Various input/output configuration
- Preferred source selection
- Visual and sound alarms
- Bi-colour LED mimic and load indicator
- Voltage free general alarm contact
- Australian designed & manufactured



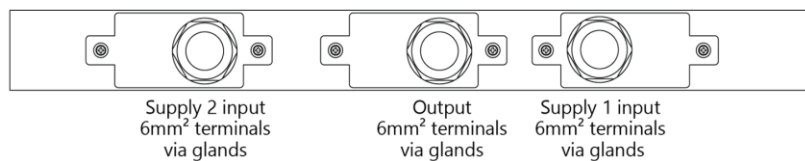
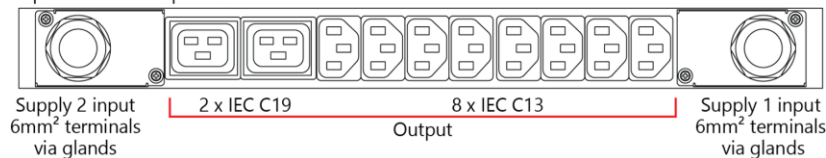
## Available options

- Incoming source isolator switches
- Ethernet module for LAN/TCP, Modbus & SNMP

16 Amp model



Options for 32 Amp model



<b>Current rating</b>	16A and 32A
<b>Voltage rating</b>	115V or 230V, ±10%
<b>Type</b>	1-Phase/2-Pole
<b>Frequency</b>	50Hz and 60Hz, ±10% - Auto detection
<b>Transfer type</b>	Break-Before-Make zero current transfer by Thyristors / SCR
<b>Synchronous break time</b>	10ms Typical
<b>MTBF</b>	>1,000,000 hours
<b>Maintenance bypass</b>	None
<b>Isolation</b>	Optional incoming source isolator switches, front mounted
<b>Display</b>	Bi-colour LED mimic decal with load indication
<b>Interface</b>	Preferred supply selection, Source transfer selection and Alarm cancel button
<b>Contact</b>	One voltage free general alarm indicator, Form A or Form B - SPST
<b>Ethernet</b>	LAN optional
<b>Input options</b>	16A: IEC C20 sockets 32A: 6mm <sup>2</sup> terminals with glands
<b>Output options</b>	16A: 2 x IEC C19 + 8 x IEC C13 sockets 32A: 2 x IEC C19 + 8 x IEC C13 sockets or 6mm <sup>2</sup> terminals with glands
<b>Dimensions H x W x D</b>	16A: 1RU/19" - 44 x 483 x 285mm 32A: 1RU/19" - 44 x 483 x 307mm
<b>Weight</b>	5kg
<b>Temperature</b>	0 – 40°C
<b>IP rating</b>	IP31
<b>Detection</b>	Digital: <1ms
<b>Asynchronous break time</b>	0ms, 10ms, 50ms or Vt proportional, 0° to 180°
<b>Loading</b>	0 - 100% @40°C ambient
<b>Device ratings</b>	80A <sub>RMS</sub> , 1400V, 1kA for 1 cycle
<b>Overload @40°C ambient</b>	40A for 30s                      115A for 0.1s 63A for 1s                        1kA for 1 cycle
<b>Fault current setting</b>	300% peak with load fault transfer inhibit
<b>Safe install environment</b>	20kA, 100A internally fused
<b>Protection</b>	100A fuses - BS88/FE100
<b>Power factor</b>	No practical limit
<b>Max THDV</b>	10% - Max allowable source voltage distortion
<b>Crest factor</b>	3 : 1
<b>dV/dt max</b>	800V/μs
<b>Cooling</b>	Passive
<b>Humidity @40°C ambient</b>	5 – 95% non-condensing
<b>Regulatory approvals</b>	IEC 62310-1,2,3 - IEC 60950 - IEC 61000-6-1,2,3,4 – CE – RCM - UL Capable - RoHS
<b>Standard warranty</b>	24 months offsite repair or replacement policy

Specifications are subject to change without notice

