Driving Business Performance™

Automatic Transfer Switches
from 20A ~ 5000A

Driving Business Performance™
Power Technologies Private Limited (PT) specialises in energy-efficient power protection technologies and solutions that support mission critical infrastructures in managing power more efficiently, securely and sustainably with our state-of-art solutions.

Power Transfer Switch (PTS) dual power is a novel power supply transfer device with wider purposes. Application in PTS specific smart features are sufficiently considered with high reliability and are extensively applied in electrical equipment, auto control and commissioning systems of power plants, post, telecommunications, petrochemical, coal, metallurgy, railways, municipal engineering, hospital, data centers, smart building and etc.

PTS dual power is a highly reliable Automatic Transfer Switch that is designed according to the recommended practice for emergency and standby power systems IEEE 446 and independently tested and comply with International Standards are GB14048.11-2008 Automatic Transfer Switching Equipment and IEC 60947-6-1-2008 Automatic Transfer Switching Equipment.

PTS ATSE inherit a solenoid as an operator to provide a reliable switching operation. It is proven as a fast & consistence conversion speed true for a double throw operator. The design of the Solenoid operator is simple, dependable & easy to maintain because it does not utilise motors & gears or complicated mechanisms. PTS ATSE solenoid is electrically held and mechanically interlock to prevent parallel two live source.

### Key Benefits

**Reliability**
- Durable solenoid ATS operated mechanisms and robust electronics, tested for severe EMC and environmental conditions (20 - 100 msec).

**Third-Party Certifications**
- UL 1008, IEC 60947-6-1 Certifications, Classification: 33A and 33B with CE marking.

**Safety**
- Electrical held with Mechanical held interact to prevent parallel two different source.

**Low Cost Installation and Quick Commissioning**
- Built-in networking for reduced hardwiring, centrally located customer connections; simple field modification of features without need for factory service.

### Features

**Robust switching mechanisms**
- 40A – 5000A, 2, 3 and 4 Poles, Standard and delay construction.
- Proven solenoid operated mechanism (Fast Transfer Time).
- PTS-engineered and manufactured contacts and arc quenching components.
- Standard/open two and three position transition plus delayed and transition.
- UL/IEC 3-cycle (unconditional) short circuit withstand and closing ratings.
- Overlapping Neutral (Optional)
Performance Features

The PTS-W2H Series is the building block of our transfer switch product line. This ruggedly built power contactor family of switches has been specifically designed for transfer switch duty with dependability, versatility and user friendliness of prime concern. Logic devices including microprocessor control auxiliary time delays and special accessory equipment are assembled on the door for ease of maintenance and separation from the power section. They are connected with a numbered wiring harness equipped with a disconnect plug that allows isolation of the control panel for maintenance.

Benefits

• Mechanical interlock, reliable switching, double pole double throw, field-driven, fast conversion speed.
• Can be achieved switching power supply either automatic or manually.
• Excellent arc performance: a variety of abnormalities will be reliably extinguishing the arc; arc duration is short.
• Compact structure design. Space Optimization / Flexibility.
• Overlapping Neutral is also available. (Options)
• Low Cost.
• AUTO / MANUAL Selector switch.
• 63Ampere-250Ampere.

PTS-WN3 Automatic / Manual

Performance Features

The PTS-WN3 Series is the building block of our transfer switch product line. This ruggedly built power contactor family of switches has been specifically designed for transfer switch duty with dependability, versatility and user friendliness of prime concern. Logic devices including microprocessor control auxiliary time delays and special accessory equipment are assembled on the door for ease of maintenance and separation from the power section. They are connected with a numbered wiring harness equipped with a disconnect plug that allows isolation of the control panel for maintenance.

Benefits

• Mechanical interlock, reliable switching, double pole double throw, field-driven, fast conversion speed.
• Can be achieved switching power supply either automatic or manually.
• Excellent arc performance: a variety of abnormalities will be reliably extinguishing the arc; arc duration is short.
• Compact structure design. Space Optimization / Flexibility.
• Overlapping Neutral is also available. (Options)
• 63Ampere-250Ampere.

PTS-WN3B Automatic Transfer Switches

Bypass-Isolation Transfer Switches

Performance Features

Bypass Maintenance ATS proven switching technology of PTS is designed for some constant power supply places, it developed by a set of intelligent, digital, networking as one of the intelligent dual-power synchronous switching microprocessor controller. They provide the capability to transfer in a closed transition mode when both sources are within pre-set parameters. Utilizing PTS high speed solenoid, the overlap of the normal and alternate sources is less than 100 milliseconds according to the controller command, realize the momentarily overlapping conversion function. When one source is not within specified limits, such as during a power failure, the PTS_WN3 Series operates in a delayed transition mode.

Benefits

• Mechanical interlock, reliable switching, double throw, field-driven, fast conversion speed.
• Phase detection technology, compressive monitoring of power supply.
• Achieved Two source parallel time of less than 100 milliseconds without interrupting the load.
• Two Power supply side mechanism is independent.
• Excellent arc performance: a variety of abnormalities will be reliably extinguishing the arc; arc during is short.
• Compact structure design.
• Segmented silver tungsten alloy contacts with separated arcing contact on all sizes.
• Solenoid operation mechanism for consistently fast and reliable switching.
• 63Ampere-5000Ampere.
• 6300Ampere (upon request)

PTS-WN3 CTTS Automatic / Manual

Closed Transition Automatic Transfer Switches

Performance Features

Closed Transition proven switching technology of PTS is designed for some constant power supply places, it developed by a set of intelligent, digital, networking as one of the intelligent dual-power synchronous switching microprocessor controller. They provide the capability to transfer in a closed transition mode when both sources are within pre-set parameters. Utilizing PTS high speed solenoid, the overlap of the normal and alternate sources is less than 100 milliseconds according to the controller command, realize the momentarily overlapping conversion function. When one source is not within specified limits, such as during a power failure, the PTS_WN3 Series operates in a delayed transition mode.

Benefits

• Mechanical interlock, reliable switching, double throw, field-driven, fast conversion speed.
• Phase detection technology, compressive monitoring of power supply.
• Achieved Two source parallel time of less than 100 milliseconds without interrupting the load.
• Two Power supply side mechanism is independent.
• Excellent arc performance: a variety of abnormalities will be reliably extinguishing the arc; arc during is short.
• Compact structure design.
• Segmented silver tungsten alloy contacts with separated arcing contact on all sizes.
• Solenoid operation mechanism for consistently fast and reliable switching.
• 63Ampere-5000Ampere.
• 6300Ampere (upon request)
Benefits
- Mechanical interlock, reliable switching, double throw, field-driven, fast conversion speed.
- ATS maintenance/testing without load loss of power.
- Achieved Two source parallel time of less than 100 milliseconds without interrupting the load.
- Two Power supply side mechanism is independent.
- Bypass/Isolation are design with safety interlocking for reliable switching.
- Automatic transfer switch is located on a draw out mechanism to facilitate maintenance.
- Compact structure design. Space Optimization / Flexibility.
- Generator source can be electrically tested without disturbing the load.
- Mains power cable do not have to be disconnected to remove the ATS.
- Bypass to any available source with the ATS removed.
- Safety interlocking ensure proper sequence of operations.
- 63Amper-5000Amper.
- 6300Ampere. (upon request)

Features and Description
- No additional load break contacts which cause load interruption during bypass-isolation function.
- Ideal for mission critical load such as Data Center Server, Life support equipment, Emergency support equipment & etc.
- Bypass operation to ease ATS maintenance/testing without load loss of power. With closed transition transfer of less than 100 milliseconds.
- They are not constantly exposed to the destructive effects of potential fault currents.
- The ATS module can be rack out for testing or maintenance without interruption the critical load. The Automatic Transfer Switches is installed on a draw-out mechanism, with safety interlocking to prevent non-professional operation.
- The bypass provided with a quick make, quick break manual load transfer handle built-in with safety interlocking.
- Then ATS modules are mounted in a compact enclosure and completely interconnected requiring only Source 1(Grid), Source 2(generator) and load cable connection.
- The ATS control/logic panel is mounted on the enclosure door and connected by a wire harness and multi-pin disconnect plugs.
- The bypass-isolation switch module is the same basic design as the automatic transfer switch module and thus has the same electrical ratings.

Bypass-Isolation Schematic

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**Dimensions**

### PTS-WN3 Opened Transition

<table>
<thead>
<tr>
<th>Type (3 Poles)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Depth (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTS-WN11 (100A)</td>
<td>105</td>
<td>193</td>
<td>112</td>
<td>7.5</td>
</tr>
<tr>
<td>PTS-WN11 (100A-125A)</td>
<td>115</td>
<td>193</td>
<td>112</td>
<td>8.5</td>
</tr>
<tr>
<td>PTS-WN11 (150A)</td>
<td>155</td>
<td>193</td>
<td>112</td>
<td>9.5</td>
</tr>
<tr>
<td>PTS-WN11 (160A-180A)</td>
<td>165</td>
<td>230</td>
<td>112</td>
<td>10</td>
</tr>
<tr>
<td>PTS-WN11 (200A-250A)</td>
<td>205</td>
<td>230</td>
<td>112</td>
<td>12</td>
</tr>
<tr>
<td>PTS-WN11 (320A)</td>
<td>275</td>
<td>280</td>
<td>220</td>
<td>15</td>
</tr>
<tr>
<td>PTS-WN11 (400A)</td>
<td>335</td>
<td>290</td>
<td>220</td>
<td>17</td>
</tr>
<tr>
<td>PTS-WN11 (500A-630A)</td>
<td>355</td>
<td>290</td>
<td>220</td>
<td>20</td>
</tr>
<tr>
<td>PTS-WN11 (800A-1250A)</td>
<td>485</td>
<td>290</td>
<td>220</td>
<td>27</td>
</tr>
<tr>
<td>PTS-WN11 (1600A-2000A)</td>
<td>595</td>
<td>290</td>
<td>220</td>
<td>34</td>
</tr>
<tr>
<td>PTS-WN11 (3000A-5000A)</td>
<td>1070</td>
<td>540</td>
<td>635</td>
<td>100</td>
</tr>
</tbody>
</table>

### PTS-WN3 Closed Transition

<table>
<thead>
<tr>
<th>Type (3 Poles)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Depth (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTS-WN50 (100A)</td>
<td>105</td>
<td>241</td>
<td>109</td>
<td>46</td>
</tr>
<tr>
<td>PTS-WN50 (150A)</td>
<td>155</td>
<td>241</td>
<td>109</td>
<td>50</td>
</tr>
<tr>
<td>PTS-WN50 (320A-400A)</td>
<td>380</td>
<td>333</td>
<td>109</td>
<td>65</td>
</tr>
<tr>
<td>PTS-WN50 (800A-1250A)</td>
<td>590</td>
<td>333</td>
<td>180</td>
<td>90</td>
</tr>
<tr>
<td>PTS-WN50 (1600A-2600A)</td>
<td>745</td>
<td>425</td>
<td>218</td>
<td>110</td>
</tr>
<tr>
<td>PTS-WN50 (2000A-3200A)</td>
<td>965</td>
<td>452</td>
<td>256</td>
<td>140</td>
</tr>
<tr>
<td>PTS-WN50 (3000A-5000A)</td>
<td>1142</td>
<td>560</td>
<td>304</td>
<td>190</td>
</tr>
<tr>
<td>PTS-WN50 (6300A)</td>
<td>1299</td>
<td>870</td>
<td>940</td>
<td>270</td>
</tr>
</tbody>
</table>

### PTS-WN3 Bypass Isolation

<table>
<thead>
<tr>
<th>Type (3 Poles)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Depth (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTS-WN-3BCT</td>
<td>260</td>
<td>680</td>
<td>560</td>
</tr>
<tr>
<td>PTS-WN-3BCT</td>
<td>360</td>
<td>680</td>
<td>560</td>
</tr>
<tr>
<td>PTS-WN-3BCT</td>
<td>760</td>
<td>584</td>
<td>680</td>
</tr>
<tr>
<td>PTS-WN-3BCT</td>
<td>1260</td>
<td>870</td>
<td>960</td>
</tr>
<tr>
<td>PTS-WN-3BCT</td>
<td>1300</td>
<td>870</td>
<td>960</td>
</tr>
</tbody>
</table>
PTS-WN3 Product Classification

<table>
<thead>
<tr>
<th>Model</th>
<th>PTS-WN3 250A</th>
<th>PTS-WN3 630A</th>
<th>PTS-WN3 1250A</th>
<th>PTS-WN3 2600A</th>
<th>PTS-WN3 3200-4000A</th>
<th>PTS-WN3 5000-6300A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ie A Rated operating current le A</td>
<td>63 100 125 250</td>
<td>300 400 500 630</td>
<td>800 1000 1250</td>
<td>1600 2000 2600</td>
<td>3200 4000 4000</td>
<td>5000 6000</td>
</tr>
<tr>
<td>Ui Rated insulation voltage Ui</td>
<td>AC 2500V, 50Hz &amp; 60Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ue Rated operating voltage Ue</td>
<td>AC 400V ~480V, 50Hz &amp; 60Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level</td>
<td>PC level: the ability to access and load, but not for breaking short-circuit current</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use category</td>
<td>AC-33B / AC-33A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poles</td>
<td>3P &amp; 4P</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated making and breaking capacity</td>
<td>10.0Ie, 1.05Ue, cosφ=0.50±0.05, 50 cycles</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating performance</td>
<td>2.0Ie, 1.05Ue, cosφ=0.80±0.05, 6000 cycles</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iq Rated limit short-circuit current Iq</td>
<td>50kA ~ 200kA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated impulse withstand voltage</td>
<td>8kV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control circuit</td>
<td>Rated control supply voltage Us: AC220V, 50Hz. Proper working conditions: 85%Us ~ 110%Us</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auxiliary circuit</td>
<td>A、B power supply are normally open, switch capacity AC:110V 5A/AC220V 3A DC:200V / 0.2A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contact conversion time</td>
<td>&lt;100ms/sec</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PTS-WST-9 Dual-Power Synchronous Microprocessor Controller

**Features and Description**

Microprocessor core.
- Accurately capture and display parameters such as two-way three-phase voltage, phase, phase sequence and frequency. Intelligent to make accurate judgment of all kinds of abnormal and have passive control ON/OFF outputs.
- Synchronous switching function can be realized to detect and display the two-way power supply voltage difference, phase difference, frequency difference, in line with customer set conditions issued when the synchronous switching instructions to achieve continuous switching.
- With over voltage, under voltage, open phase, phase sequence monitoring, over frequency and under frequency protection.
- Applicable to a wide range of power for a variety of types (three-phase four-wire, three-phase three-wire, single-phase two-wire, two-phase three-wire). Suitable for a variety of switch types (two-stage PC level, three-stage PC level, CB level and CC level switch). The system type can be set to S1 utility power S2 utility power, S1 utility power S2 generation, S1 generation S2 utility power, S1 generation S2 generation.
- Provided with RS485 isolated communication interface, capable of remote controlling of start/stop of generator sets and ON/OFF of any power set of ATS.
- With the history function, can record 99 historical data.
- Can be set to start the generator timing / timer does not boot (can be set to run a single, monthly or weekly operation).
- S1/S2 with independent over-current warning or trip alarm function.
- Manual / automatic mode can be selected; manual mode can force to ON/OFF the ATS.
- The controller has six customize output and four customize input. Can be customized according to user needs, the output can be set to pulse or continuous output. All settings are password authentication, to prevent non-professional misuse.
- With functions of switch reclosing and the power button again.
### Features of PTS-WST 5 and WST 6

**PTS-WST 5**  
Installation Dimensions: 150mm (W) x 121mm (H)

1. Time Adjustable Delay Function  
2. Open Phase Protection  
3. Automatic Generator Startup  
4. Two Steady Operating Positions and Three Steady Operating Positions Selection  
5. Power Indication Function (Highlighted in brochure; Controller Operations)  
6. Main Circuit Remote Power Cut-off Function (Highlighted in brochure; Controller Operations)  
7. 485 Communication Interface Function  
8. Automatic Entry Automatic Reset and Automatic Entry Non Automatic Reset Functions Selection  
9. Voltage Real Time Displays Function  
10. Over Voltage Protection Function  
11. Over Current Protection (Additional Instrumental Transformer)  
12. Over Voltage Protection Function  
13. Power Frequency Protection Function  
14. English/Chinese Language Mode  
15. Load Current Detection Function (Additional Instrumental Transformer)  
16. Used for ATS Ampere Rating: 20A ~ 5000A (Highlighted in brochure; Controller Operations)

**PTS-WST 6**  
Installation Dimensions: 129mm (W) x 114mm (H)

1. Time Adjustable Delay Function  
2. Open Phase Protection  
3. Automatic Generator Startup  
4. Two Steady Operating Positions and Three Steady Operating Positions Selection  
5. Power Indication Function  
6. Main Circuit Remote Power Cut-off Function  
7. 485 Communication Interface Function  
8. Automatic Entry Automatic Reset and Automatic Entry Non Automatic Reset Functions Selection  
9. English/Chinese Language Mode  
10. Used for ATS Ampere Rating: 20A ~ 500A

### Conditions for Normal Installation and Operation

1. **Ambient air temperature**  
The temperature should be no higher than +40°C and no lower than -5°C, with a 24-hour average value of no more than +35°C.

2. **Elevation**  
The altitude of the installation site should not be above 2000m.

3. **Atmospheric conditions**  
The relative humidity of the air at the installation site should not exceed 50% at a maximum temperature of +40°C, and higher relative humidity is only allowed at lower temperatures. The average lowest temperature in the most humid month should not be above +25°C, while the average maximum relative humidity should not exceed 90%. Action should be taken to deal with dew condensation on the product surfaces resulting from temperature changes.

4. **Pollution level**  
The pollution level conforms to Level 3 in the GB/T14048.1 standard.

5. **Installation energy**  
The switch equipment installation complies with Category III as defined in GB/T14048.1 standard. The transfer controller installation complies with Category II as defined in GB/T14048.1 standard.

6. **Installation**  
Switching devices and transfer controllers can be installed vertically or horizontally in special control or distribution cabinets.

7. **Control circuit**  
The rated voltage of control power for the control device and the transfer controller is AC 220V/230V/50Hz, and the operating condition is a control power voltage of ≥85% Us and ≤110% Us. In the absence of special requirements with the customer order all the transfer controllers have a preset under voltage value of ~180V and an overvoltage value of ~250V.

8. **Auxiliary circuit**  
The auxiliary contact circuit has a separate electrical structure of 4 normally open and 4 normally closed contacts. Refer to Table 2 for the rated values of auxiliary contacts.

### Table 1

<table>
<thead>
<tr>
<th>Use category</th>
<th>Connection</th>
<th>Disconnection</th>
<th>Motor load or composite load inclusive of resistance load and incandescent lamp load of lower than 30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary circuit and transfer controller</td>
<td>AC-15</td>
<td>Load of controlling alternating electromagnet</td>
<td></td>
</tr>
<tr>
<td>DC-13</td>
<td></td>
<td>Load of controlling electromagnet</td>
<td></td>
</tr>
</tbody>
</table>

### Table 2

<table>
<thead>
<tr>
<th>Use category</th>
<th>Connection</th>
<th>Disconnection</th>
<th>Rated operating current Ie (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC220V</td>
<td>I/Ie=10</td>
<td>U/Ue=0.3</td>
<td>10</td>
</tr>
<tr>
<td>DC200V</td>
<td>I/Ie=1.1</td>
<td>U/Ue=6Pe</td>
<td>0.2</td>
</tr>
</tbody>
</table>

### Table 3

<table>
<thead>
<tr>
<th>Use category</th>
<th>Connection</th>
<th>Disconnection</th>
<th>Operation frequency and cycle times</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC-15</td>
<td>I/Ie=10</td>
<td>U/Ue=0.3</td>
<td>Cycle times</td>
</tr>
<tr>
<td>DC-13</td>
<td>I/Ie=1.1</td>
<td>U/Ue=6Pe</td>
<td>Operation frequency (cycles/min)</td>
</tr>
</tbody>
</table>

*Note: Upper limit of T0.95 ≤ 300ms. The power time of DC-13, if T0.95 is greater than 0.05s, should be 10.95 minimum.*
Operation Instructions

1. When installing the switch avoid high temperatures, steam or harmful gas (exhaust gas) and dust.

2. To ensure reliable operation, maintain control commands for longer than 0.5 seconds.

3. The switch will stay in the input state when an input command and a tripping command are sent to the same power side simultaneously. Please avoid doing this; otherwise the coils will remain excited.

4. Apply electric operation and try to avoid manual operation.

5. Under DC conditions, if the power has a step-down loop (DROPPER), connect the power to the input side of the step-down loop rather than the output side.

6. Make sure the operating power cables are long enough and pay special attention to the storage battery capacity.

7. Excitation in the PTS-W series is instantaneous and the operating power is cut off after the input operation ends instead of being cut by the external operating power via auxiliary switch (AUX.SW.).

8. Please contact the company if you have a need for products with special features and specifications.

Installation

The switches must be installed in the correct orientation because of their structure and mode of operation. Incorrect orientation will result in changes to the switch characteristics. Please ensure the switches are installed correctly. Contact the company if this cannot be done as stipulated for wiring or mechanical reasons. The switches should be installed vertically, parallel with the vertical plane of the switchboard, and with the name plate visible from the front.

Maintenance, Examination and Storage

Note: Examination and maintenance should be carried out by professionals with all the external power cut off.

To maintain performance and a good operating state of the switches, perform the first maintenance within one year of installation. After this, periodical maintenance should be carried out annually. The basic items to be inspected are listed as below.

1. Keep the switches clean to prevent failure due to dust, dirt, or rust.

2. Perform a visual inspection of the contact parts for deformation, damage or change in color. Clear off metal deposits and burns on the contact surface and around the contact.

3. Poor contact can be the result of rust, oxidation or dust on the contact surface. During maintenance, check connection/disconnection operation (measure the contact resistance if necessary), and fasten any loosen connecting parts.

4. Under DC conditions, pay attention to the storage battery capacity and the charging.

5. Before using switches that have become damp, or have not been used for some time, remove the dust, dirt and dry them well. Then measure the isolation resistance of every two poles, inlet lines and outlet lines, the main/auxiliary circuit and the installation metal board (box) using a Megger. These values should be no less than 10MΩ. If this is not possible, the switches must be taken out of use.

6. New switches or those unused for a long period should be stored in an environment similar to the operating environment. Measures should be taken to avoid dust, dampness, shock or accident.

PTS Outreach

Asia
(Korea / Philippines / Malaysia / Thailand / Vietnam / Myanmar / Singapore / Indonesia)

Oceania
(Australia / Fiji)

Central Asia
(India / Pakistan / Afghanistan)

The Middle East
(Saudi Arabia / Dubai / Qatar / Jordan / Lebanon / Iran / Kuwait / Turkey)

Europe
(Greece / Italy / UK / France / Germany / Portugal / Norway / Cyprus)

USA

Central & South America
(Venezuela / Ecuador / Honduras / El Salvador / Bolivia / Chile / Peru / Uruguay / Panama / Guatemala / Brazil)

Africa
(South Africa / Morocco / Nigeria / Egypt / Kenya)