

# SOLETEC

**Industrial Type Design**  
Suitable for  
All Applications



## U-Touch Series 10-1000kVA

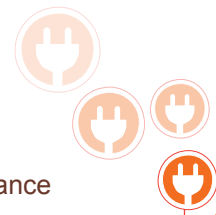
True On-Line Double Conversion Isolated UPS

**U-TP31** — 3 Phase Input / 1 Phase Output

**U-TP33** — 3 Phase Input / 3 Phase Output

### Features

- True On-line Double Conversion (VFI Class)
- Fully Double DSP Control, High Reliability and Performance
- IGBT Inverter and Output Isolation Transformer
- HMI - Human Machine Interface with Graphic LCD Touch Panel
- 3 phases UPS allow 100% Unbalance Load
- Automatic & Manual Static Bypass Switch
- DC Cold Start Function
- Intellectual Battery Charging & Self - Test
- Intelligent Fan Speed Control
- Eco Mode and EPO Function
- Intelligent Multi -Type Communication Ports
- Advanced No - master-slave N+X Parallel Technology (optional)
- Intelligent Battery Monitor System - MMBM (optional)
- 6 Pulse / 12 Pulse Rectifier (optional)
- Bypass Isolation Transformer (optional)



### Applications :

- Computer & Networking
- Industrial Equipment
- CNC & Wire cut & PLC
- Robot & Laser-Welding
- Medical & Lab Equipment
- Metrology & Precision Devices
- Logistics & Telecoms
- Financial & Securities



# \* SPECIFICATIONS : True On-line Double Conversion With Isolated Transformer

		U-TP Series																									
Appearance >																											
MODEL		3110L / 3110S	3115L / 3115S	3120L	3130L	3140L	3150L	3160L																			
***U-TP31	3P Input / 1P Output ▶																										
***U-TP33	3P Input / 3P Output ▶	3310L	3320L	3330L	3340L	3360L	3380L	33100L	33120L	33160L	33200L	33250L	33300L	33400L	33500L	33600L											
Power Rating	kVA	10	20	30	40	60	80	100	120	160	200	250	300	400	500	600											
	kW	9	18	27	36	54	72	90	108	144	180	225	270	360	450	540											
INPUT		-Rectifier																									
Voltage (Vac)		U-TP31 (3P / 1P) : 380 / 400, **208 / **220 ± 25 % (3P4W + PE) , U-TP33 (3P / 3P) : 380 / 400, **208 / **220 ± 20 % (3P4W + PE)																									
Frequency (Hz)		50 / 60 ± 10% (50 / 60Hz Settings)																									
OUTPUT		-Inverter																									
Voltage (Vac)		3P Input / 1P Output ▶ 220 ± 1% (1P2W + PE)								-																	
		3P Input / 3P Output ▶ 380 / 400, 208 / 220 ± 1% (3P4W + PE)																									
Frequency (Hz)		50 / 60 ± 0.1% (Inverter Mode)																									
Wave Form		Pure Sine Wave, THD ≤ 2% (Linear Load)																									
Unbalance Load Voltage		≤ 2%, Compatible 100% Unbalance																									
Efficiency / Power Factor		> 95% (Full Load) / 0.9 (0.8 / 1.0 Optional)																									
Overload		3P Input / 1P Output ▶ 125% Load for 1 min, 150% Load for 20 Secs								-																	
		3P Input / 3P Output ▶ 110% Load for 30 mins, 125% Load for 10 mins, 150% Load for 1 min																									
Transfer Time		0 msec																									
BATTERY																											
Voltage (Vdc)		3P Input / 1P Output ▶ 192								348																	
		3P Input / 3P Output ▶ 348 (348 / 360Vdc Flexible Configuration)																									
Battery		Type Sealed Lead - Acid Maintenance Free (5 / 10 / 20 Years Life - Time upon request)																									
		3P Input / 1P Output ▶		External / 12V 7Ahx32		External / 12V 7Ahx48		External								-											
3P Input / 3P Output ▶		External																									
Charger Current (A)		3P Input / 1P Output ▶ 3/4.5A								10 ~ 20A Setting																	
		3P Input / 3P Output ▶ 10 ~ 40A Setting																									
20 ~ 80A Setting																											
SYSTEM FEATURES																											
Maintenance Bypass		3P Input / 1P Output ▶ Optional								Yes																	
		3P Input / 3P Output ▶ Yes																									
Communication Interface		RS232 / RS485 and Dry Contacts (USB / J-BUS / MODBUS / PROFIBUS / HTTP / SNMP are Optional)																									
Display Panel		Homepage Status : OFF / Normal / Rectifier Abnormal / Protection / Check Battery Please / Charge Hall Abnormal / Bypass Abnormal / Overload / Battery Test / Battery Reverse Polarity / Load Alarm / Parallel Cable Abnormal / Battery Low Voltage / Battery Normal / Battery Capacity Going Down / Recommend to Replace Battery / Fan Abnormal / EPO on / Battery Circuit Abnormal / Manual Bypass On / Phase U Overcurrent / Phase V Overcurrent / Phase W Overcurrent / Battery Running Out / DC Over Voltage / Fuse Abnormal / Debugging Mode.																									
LCD TOUCH SCREEN ▶		Working Status : Parallel Unit / Single Unit / Phase Sequence / Battery Status / Output Status / Rectifier Status / Inverter Status / Load Status / UPS Temp. Battery Polarity																									
		Parameter Setting : Screen / Password / Record / Output / Input / Batt.MGR / Buzzer / ECO Mode / Event Log																									
		Others : Ac Input (V / Hz), Bypass Input (V / Hz), System Output (V / A / Load - % / kW / kVA / Hz), Battery (V / A / C / Status - Charge), Remaining Backup Time																									
Alarm		Overload, Abnormal AC Input, Low Battery, UPS Failure, Backup Mode																									
Protection System		Automatic Self - Diagnostics Test, Input Over & Under Voltage, Output Over & Low Voltage, Output Stabilizer, Overload, Low & End - Discharge Battery, MOV Surge & Short - Circuit, EMI & RFI Noise Filter, Over Temperature, **Reverse Energy Absorber.																									
Audible Noise / Temp. / Humidity (dBA)		< 55 (dBA) / 0 ~ 40°C / 0 ~ 95% (Non - Condensation)																									
PHYSICAL																											
Dimension (cm) (W x D x H)		3P Input / 1P Output ▶ 35 x 78.5 x 65 / 40 x 80 x 118				40 x 80 x 118				-																	
		3P Input / 3P Output ▶ 50 x 60 x 118				50 x 80 x 160				70 x 80 x 180		140 x 100 x 185		160 x 100 x 185		300 x 100 x 185											
Weight (Kg)		3P Input / 1P Output ▶ 143/230		173/320		203		225		273		304		320													
		3P Input / 3P Output ▶ 230		250		300		400		450		520		600		650		825		1280		1568		1830		2050	

\* Specifications are subject to change without prior notice.

Spec. STD.09-03-21

\*\* Optional of Specifications

\*\*\* Model : U-TP/B31xxx & U-TP/B33xxx are Parallel UPS.

\*\*\*\* Model : U-TP31xxx are LCD Display Panel



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