
	PRODUCT SPECIFICATIONS	REF. No. : EN-VN-CL010825-PT 3000 614-40013-03
	PRODUCT SERIES : Santak PT3000 MODEL : PT6K TECHNOLOGY : Online double conversion	Page No.: 1 OF 3

INPUT

Nominal Voltage	: 220VAC
Input type	: PFC Type
Phase	: Single phase with ground (2W + G)
Power Factor	: ≥ 0.99
Voltage Range	: 110VAC ~ 275VAC (100% load: 176VAC ~ 275VAC)
Frequency Range	: 40 ~ 70Hz
THDi	: <3%
Protection	: 63Amp Breaker
Input voltage surge rating	: L - N: 405J ; L/N - GND: 445J
Connection	: Terminal Block
Earth leaking current	: < 7mA
Generator compatible	: Yes

OUTPUT

Nominal Power Capacity	: 6kVA / 6kW
Inverter type	: IGBT type
Power Factor	: 1
Load Power Factor rating	: 0.3 leading to 0.3 lagging
Nominal Voltage	: 220/230/240VAC configurable
Regulation	: $\pm 1\%$
Waveform	: Sine wave
Frequency	: 50Hz/60Hz configurable AC Mode: 50Hz ± 5 Hz / 60Hz ± 6 Hz On-Battery: ± 0.1 Hz
Crest Ratio	: 3:1
THDV	: < 1%
Efficiency	: Up to 95% in double-conversion mode Up to 98% in ECO mode
Overload capacity	: 105%~125%, 10mins then transfer to bypass and alarm 125%~150%, 30s then transfer to bypass and alarm 150%, 0.5s then transfer to bypass and alarm
Bypass Output without turning on	: Yes
Maintenance Bypass Switch	: PDU Option
Connection	: Terminal Block, 2*IEC C13

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BYPASS

- Output before UPS power-on : YES
- Voltage Range : 110 ~ 275VAC
- Protection : 63Amp Breaker
- Auto transfer to bypass mode When UPS is overloaded, failed, low battery ...

BATTERY AND CHARGER

EBM Option:

- Type : VRLA, Maintenance Free
- Rating : 12V7Ah
- Quantity : Default 16pcs/EBM
- Recharging time : 3 hours to 90% rated capability (Standard model)
- Temperature compensation : 20mV/pcs/°C
- Reference Battery configuration :

PTB7161 EBM	Backup time at 100% load	Backup time at 50% load
EBM * 1	4 mins	10 mins
EBM * 2	9 mins	25 mins
EBM * 3	18 mins	47 mins
EBM * 4	27 mins	73 mins

External Battery Cabinet Option:


- Quantity : Configurable from 16 pcs to 20 pcs
- Nominal Voltage : 192VDC ~ 240VDC
- Reference Battery configuration : Backup time varies depending on battery capacity and quantity
- Protection : Fast-acting Fuse
- Voltage Initial Charging : 1.4A default (0 ~ 4A adjustable)

TRANSFER TIME

- Utility Power Failure : 0 ms
- Battery to Utility Power Mode : 0 ms
- Bypass to Inverter and vice versa : 0 ms

PARALLEL FUNCTION

- Parallel card : Option
- Number of UPS in Parallel : Up to 3 units

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INTERFACE

Operation mode	: Standby / Online / Battery / Bypass / ECO / Converter mode
Control Panel	: Power On/Off, Up, Down, Enter, ESC
Interface	: Dot Matrix LCD, auto rotate, setting parameters
UPS Information	: Voltage / Current / Frequency / Temperature / Operation mode, Battery capacity
Diagnostics	: Full system self test on power up, battery test
Event log recording	: Yes
Auto Restart Function	: Auto restart while AC source restored after discharge shutdown
Power-on Function	: AC power on, On-battery power on
Audible Alarm	
- Battery mode	: Beep once every 4 seconds
- Battery low	: Beep once every second
- Overload	: Beep twice every seconds
- Fault, over temperature or short circuit	: Beeps continuously
- Bypass mode or Site fault	: Beep once every 2 minutes
Communications	
- USB Port, RS232, Dry contact	: Available (Software: Winpower G2)
- Intelligent Slot	: Available (Options: NMC Card, Modbus Card, Relay Card)
- EPO	: Available
Cooling	: Force air cooling Fan speed depends on the operation mode and load level

ENVIRONMENTAL

Acoustic noise	: < 55dB
Operating Temperature	: 0 ~ 50°C (>40°C derating)
Operating Humidity	: 0 ~ 95%, non-condensing
Installation type	: Rack and Tower
Standard	: IP20, IEC 62040, ISO9001

MECHANICAL FEATURES

UPS:	
- Dimensions W x D x H(mm)	: 438 x 573 x 86.3 mm
- Weight (kg)	: 14 kg
EBM:	
- Dimensions W x D x H(mm)	: 438 x 589 x 129 mm
- Weight (kg)	: 46.3 kg

Specifications are subject to change without notice.