PW100T SERIES









PW100T series is double conversion online UPS with fully DSP controlled technology. with high input and output power factor . self-adjusting output frequency and network managment, PW100T is an ideal choice for computers, telecommunication equipment and other sensitive devices.



General Specifications:

- Wide range of input voltage, input PF>97%
- Output PF=0.9, more powerfull load capability
- Full protection of overvoltage, circuit short and over temperature
- LCD/LED display, monitoring all the operation status
- Auto fan speed adjustment

Technical Specifications

Model		PW101T		W102T		PW103T	
Capacity	11	kVA/0.9kW	2k'	VA/1.8kW	3k	VA/2.7kW	
Input							
Cold Start			YES, default frequ	uency=50Hz or settable			
	110VAC~288VAC						
	100% load@>176VAC						
A	<u> </u>						
Acceptable Input Voltage	80% load@>154VAC						
	70% load@>132VAC						
			50% loa	id@>110VAC			
Input Current @ (nominal input		4.8A		9.6A		14.4A	
voltage)		4.6A		9.0A		14.44	
Input Power Factor			,	≥0.97			
Input Frequency Range			41	0~70Hz			
OUTPUT							
Frequency adaptable				ettable			
	0.0/0.9 for	0.9(0.8 for 200VAC/208VAC) 1.8(1.6 for 200VAC/208VAC) 2.7(2.4 for 200VAC/208VAC)					
Power(kW) max	0.9(0.6 101	200VAC/208VAC)		,	2.7 (2.4 101	200VAC/200VAC)	
Nominal voltage				20/230/240VAC			
Voltage regulation	± 1 %						
Voltago distortion	≤2% THD, linear load						
Voltage distortion	≤ 5.5% THD, non-linear load ≤ 5% THD, non-linear load						
Output Frequency	· · · · · · · · · · · · · · · · · · ·						
- Synchronization range	±5Hz default						
Dotton, me 4-	(50±0.1) Hz default						
- Battery mode			(50±0.	1) Hz default			
Transfer Time							
-Line mode to battery mode				0			
- Inverter to bypass				2ms			
Efficiency							
-Line mode with battery full charged	89%@100%	load, 87%@50% load	91%@100%	oad, 88%@50% load	90%@100%	load, 90%@50% load	
-ECO mode	2271@1271	94.0%		97.0%		97.0%	
-Battery mode	83%@100%			87%@100% load, 89%@50% load			
,							
Noise(1m away)	<430B@<60%	load,<47dB@>60%load		oad,<50dB@>60%load		oad,<50dB@>60%load	
Overload Capability(Inverter)	105%~130%: Transfer to bypass after 1 mins.						
	150%: Transfer to bypass after 30s						
Overload Capability/Pattery Mede)	105%~130%:shutdown after 10s						
Overload Capability(Battery Mode)	150%:shutdown after 5s						
Overload Capability (Bypass Mode)	<130%: Long time						
	>130%&<150%:Shutdown after 10min						
	>150%&<180%:Shutdown after 5 seconds						
Crost Patio	>150%&<180%:Shutdown after 5 seconds 3:1						
Crest Ratio				3.1			
Battery		l					
Rating/Type	12VDC/7Ah	Depend on the capacity	12VDC/7Ah	Depend on the capacity	12VDC/7Ah	Depend on the capacity	
Quantity	3	of external batteries	6	of external batteries	8	of external batteries	
DC Voltage		36VDC		72VDC		96VDC	
Do ala ara Tira a	6mins @80%	Depend on the capacity	6mins @80%	Depend on the canacity	5 5mins @80%	Depend on the capacit	
Back-up Time							
	load	of external batteries	load	of external batteries	load	of external batteries	
•			load	of external batteries	load	of external batteries	
Battery-Low Voltage		of external batteries OC depending on load	load		load		
Battery-Low Voltage Charger	33VAC~35VI	DC depending on load	load 66VDC~70VD	of external batteries C depending on load	load 88VDC~94VE	of external batteries OC depending on load	
Battery-Low Voltage Charger -Charging voltage	33VAC~35VI float:40.5V	DC depending on load DC/boost:41.4VDC	load 66VDC~70VD float:81VD	of external batteries C depending on load C/boost:82.8VDC	load 88VDC~94VE float:108VD	of external batteries DC depending on load DC/boost:110.4VDC	
Battery-Low Voltage Charger	33VAC~35VI	DC depending on load (DC/boost:41.4VDC 8A	load 66VDC~70VD float:81VD	of external batteries C depending on load C/boost:82.8VDC 8A	load 88VDC~94VE	of external batteries OC depending on load OC/boost:110.4VDC	
Battery-Low Voltage Charger -Charging voltage -Charging current (max)	33VAC~35VI float:40.5V 1A 8h recharge to	DC depending on load DC/boost:41.4VDC 8A Depend on the capacity	load 66VDC~70VD float:81VD 1A 8h recharge to	of external batteries C depending on load C/boost:82.8VDC 8A Depend on the capacity	load 88VDC~94VE float:108VD 1A 8h recharge to	of external batteries OC depending on load OC/boost:110.4VDC 8A Depend on the capacit	
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Battery-Low Voltage Charger -Charging voltage -Charging current (max) -Charging time	33VAC~35VI float:40.5V 1A 8h recharge to	DC depending on load DC/boost:41.4VDC 8A Depend on the capacity	load 66VDC~70VD float:81VD 1A 8h recharge to 90%	of external batteries C depending on load C/boost:82.8VDC 8A Depend on the capacity	load 88VDC~94VE float:108VD 1A 8h recharge to	of external batteries OC depending on load OC/boost:110.4VDC 8A Depend on the capacit	
Battery-Low Voltage Charger -Charging voltage -Charging current (max) -Charging time INDICATOR & ALARM - Display	33VAC~35VI float:40.5V 1A 8h recharge to	DC depending on load DC/boost:41.4VDC 8A Depend on the capacity	load 66VDC~70VD float:81VD 1A 8h recharge to 90%	of external batteries C depending on load C/boost:82.8VDC 8A Depend on the capacity of external batteries	load 88VDC~94VE float:108VD 1A 8h recharge to	of external batteries OC depending on load OC/boost:110.4VDC 8A Depend on the capacit	
Battery-Low Voltage Charger -Charging voltage -Charging current (max) -Charging time INDICATOR & ALARM - Display - Alarm	33VAC~35VI float:40.5V 1A 8h recharge to	DC depending on load DC/boost:41.4VDC 8A Depend on the capacity	load 66VDC~70VD float:81VD 1A 8h recharge to 90% LE	of external batteries C depending on load C/boost:82.8VDC 8A Depend on the capacity of external batteries ED+LCD ort one long	load 88VDC~94VE float:108VD 1A 8h recharge to	of external batteries OC depending on load OC/boost:110.4VDC 8A Depend on the capacit	
Battery-Low Voltage Charger -Charging voltage -Charging current (max) -Charging time INDICATOR & ALARM - Display - Alarm - Fault	33VAC~35VI float:40.5V 1A 8h recharge to	DC depending on load DC/boost:41.4VDC 8A Depend on the capacity	load 66VDC~70VD float:81VD 1A 8h recharge to 90% LE	of external batteries C depending on load C/boost:82.8VDC 8A Depend on the capacity of external batteries	load 88VDC~94VE float:108VD 1A 8h recharge to	of external batteries OC depending on load OC/boost:110.4VDC 8A Depend on the capacit	
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Battery-Low Voltage Charger -Charging voltage -Charging current (max) -Charging time INDICATOR & ALARM - Display - Alarm - Fault INTERFACE -Smart RS232	33VAC~35VI float:40.5V 1A 8h recharge to	DC depending on load DC/boost:41.4VDC 8A Depend on the capacity of external batteries	load 66VDC~70VD float:81VD 1A 8h recharge to 90% LE Two sh Continu	of external batteries C depending on load C/boost:82.8VDC 8A Depend on the capacity of external batteries ED+LCD ort one long yous beeping rt Power Monitor Softwa	load 88VDC~94VE float:108VE 1A 8h recharge to 90%	of external batteries OC depending on load OC/boost:110.4VDC 8A Depend on the capacit	
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Battery-Low Voltage Charger -Charging voltage -Charging current (max) -Charging time INDICATOR & ALARM - Display - Alarm - Fault INTERFACE -Smart RS232 -SNMP(option) OPTION -Intelligent Kits -USB -SNMP Kits	33VAC~35VI float:40.5V 1A 8h recharge to	DC depending on load DC/boost:41.4VDC 8A Depend on the capacity of external batteries	load 66VDC~70VD float:81VD 1A 8h recharge to 90% LE Two sh Continu dard Cable suppo anagment from Sl DB9 po B-typ	of external batteries C depending on load C/boost:82.8VDC 8A Depend on the capacity of external batteries ED+LCD ort one long uous beeping rt Power Monitor Softwa NMP Manager and Web	load 88VDC~94VE float:108VE 1A 8h recharge to 90%	of external batteries OC depending on load OC/boost:110.4VDC 8A Depend on the capacit	
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Battery-Low Voltage Charger -Charging voltage -Charging current (max) -Charging time INDICATOR & ALARM - Display - Alarm - Fault INTERFACE -Smart RS232 -SNMP(option) OPTION -Intelligent Kits -USB -SNMP Kits Mechanical WXDXH (mm)	33VAC~35VI float:40.5V 1A 8h recharge to 90%	DC depending on load DC depending on load DC/boost:41.4VDC 8A Depend on the capacity of external batteries Stan Power M //144*364*228 (max) 10*448*320 6	float:81VD 1A 8h recharge to 90% LE Two sh Continu dard Cable support anagment from SI DB9 po B-typ plug 190*375*336/*	of external batteries C depending on load C/boost:82.8VDC 8A Depend on the capacity of external batteries ED+LCD ort one long uous beeping rt Power Monitor Softwa NMP Manager and Web rt, dry contact e USB port gable type 190*387*336 (max)	load 88VDC~94VE float:108VE 1A 8h recharge to 90% re Browser	of external batteries C depending on load C/boost:110.4VDC 8A Depend on the capacit of external batteries	
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 $[\]hbox{\tt *Specifications are subject to be changed without prior notes}\\$