

Signature Pure Quasi Square Wave Solar PCU

TECHNICAL SPECIFICATION*

Parameter ↓ Models → TPSPSQ..P	8501220	10501220	12501220	16502420	25002420
Application	700VA,12V	900VA,12V	1100VA,12V	1500VA,24V	2200VA,24V
I/P Range (Normal Model)	100V-290V± 10V				
I/P Range (UPS Model)	180V-265V± 5V				
O/P Voltage Battery Mode	220V± 10%				
O/P Frequency Battery Mode	50Hz± 0.2Hz				
O/P Waveform Battery Mode	Quas: square wave				
Low Battery Alarm	10.5v± 0.2V			20.8V± 0.4V	
Low Battery Shutdown	10.0v± 0.2V			20.0V± 0.4V	
Running Load	40A± 2A	50A± 2A	68A± 2A	50A± 2A	74A± 2A
DC Voltage	12V			24V	
Overload	44A± 2A	54A± 2A	72A± 2A	54A± 2A	78A± 2A
Charging Current	10A± 1A	11A± 1A	11A± 1A	10A± 1A	
Charging Cut off	14.4V/13.7V± 0.1V			28.8V/27.4V± 0.1V	
Charging Cut off Solar	14.8V± 0.1V			29.6V± 0.2V	
No Load Current	<2.5A				
Efficiency	>85%				
Battery Recommended	100Ah-200Ah				
Solar Charge Current	20A/ 30A/ 40A/50A				
Solar Charge Controller type	PWM based with zero drop				

*Specifications may change due to continuous R&D

LOAD CHART

Application	600VA		700VA		900VA		1100VA		1500VA		2200VA	
	A	B	A	B	A	B	A	B	A	B	A	B
Fan	2	1	3	2	4	3	5	3	8	6	10	6
Tubelight	2	1	2	2	3	3	5	3	6	6	10	6
TV	1	-	1	-	1	-	1	-	1	-	2	1
Computer	-	1	-	1	-	1	-	1	-	1	1	2
CFL	1	-	1	-	3	-	4	3	3	-	8	6