



## SSCPTT-B SERIE TECHNICAL SPECIFICATION

Specification		CPTT 2010B	CPTT 2015B	CPTT 2020B	CPTT 2030B	CPTT 2040B	CPTT 2060B	CPTT 2080B	CPTT 20100B	CPTT 20120B	CPTT 20140B	CPTT 20160B	
Rated capacity		10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	140KVA	160KVA	
Principle of working		PARALELL AND REDUNDANCY ON LINE UPS											
AC Input	Phase	Three phases + N + G											
	Voltage	3*208V±20%											
	Frequency	60Hz±10%											
	Max. current	34	52	68	104	136	208	272	347	416	486	555	
	Power rate	0.98											
	Soft start	0-100% 5Secs											
Bypass input	Phase	Three phases + N + G											
	Voltage	3*208V±15%											
	Frequency	60Hz±2%											
	Transfer time	(Overload) 0ms											
DC system	DC voltage	384V						396V			408V		

	FCV	432V							446V		459V	
	End voltage	336V							347V		357V	
	Max. discharge current	25	38	51	76	101	152	203	253	304	360	450
	Charge current	10-25A (Adjustable)										
AC output	Phase	Three phases + N + G										
	Voltage	3*208V±1% (Stable load)										
	Frequency	60Hz±0.5% (Battery)										
	Power rate	0.9 Lagging										
	Wave	Sine wave										
	Distortion	Linear load<3%, Un-linear load<5%										
	Dynamic respond range	±5% (From 0 to 100%)										
	Dynamic respond time	<10ms (±5%)										
	Unbalance time	<±3%<±1% (Balance voltage with load)										
	Overload ability	125% 10mins; 150% 1mins										
Working efficiency	>91%, 95%, ECO											
Communication	RS232/RS422 Option SNMP											
Temperature	0-40oC											
Humidity	0-90%											
Noise	50dB		55dB		63dB		65dB			68dB		
Dimension L x W x H	800x560x1400mm				850x950x1800mm				900x1200x1800mm			
Weight (Kg)	210	258	350	400	480	650	900	1100	1300	1350	1480	

Model	10 KVA	15 KVA	20 KVA	30 KVA	40 KVA	50 KVA	60 KVA	80 KVA	100 KVA	120 KVA	140 KVA	160 KVA
Nominal (KVA)	9	13.5	18	27	36	45	54	72	90	108	126	144
Max. Current for single phase input	34	52	68	104	136	173	208	272	347	416	486	555
Working mode and principle	On line power supply, static bypass switch (non-interruption switch), double transformation technology, complete separation of output power.											
Phase number	Three phases + N + G											
Nominal voltage	3*208VAC±20%											
Nominal freq.	50Hz±10%, 60Hz±10%											
Voltage harmonic distortion	< 10%											
Soft start	0 ~ 100% 5sec											

## RECTIFIER

Model	10 KVA	15 KVA	20 KVA	30 KVA	40 KVA	50 KVA	60 KVA	80 KVA	100 KVA	120 KVA	140 KVA	160 KVA
Working mode	PWM TECNOLOGY WITH PFC											
Max. Output voltage	432VDC											
Charging current can be set	10A ~ 20A (adjustable)											

## BATTERIES

Model	10 KVA	15 KVA	20 KVA	30 KVA	40 KVA	50 KVA	60 KVA	80 KVA	100 KVA	120 KVA	140 KVA	160 KVA
Number of batteries	32											
Nominal battery voltage	384VDC											
Floating charge voltage	432VDC											
Charging current	10A ~ 20A (adjustable)											

## INVERTER

Model	10 KVA	15 KVA	20 KVA	30 KVA	40 KVA	50 KVA	60 KVA	80 KVA	100 KVA	120 KVA	140 KVA	160 KVA
Rated power (KW) COSφ=0.9	9	13.5	18	27	36	45	54	72	90	108	126	144
Phase number	Three phases + N + G											
Nominal voltage	3*208VAC±1% (stead state load) , 3*208VAC±5% (load fluctuation)											
Nominal freq.	50Hz±0.05%, 60Hz±0.05% (battery power supply)											
Freq. Stability: as in-synchronic	< ±0.05%											
Freq. Stability: as synchronic	< ±2%											
Wave peak factor	3 : 1											

Output wave form	Sine wave											
Total harmonic distortion	Linear load < 3%; Non-linear load < 5%											
Instant change of dynamic load (from 0 to 100%)	< ±5%											
Instant recovery time	< 10ms											
Balanced load voltage	< ±1%; < ±5% (unbalanced load voltage)											
Overload capacity	125% 10min, 150% 1Min											
Inverter efficiency, of load 100%	8	12	16	24	32	40	48	64	80	96	112	128

## BY-PASS

Model	10 KVA	15 KVA	20 KVA	30 KVA	40 KVA	50 KVA	60 KVA	80 KVA	100 KVA	120 KVA	140 KVA	160 KVA
Bypass input current	25	38	50	75	105	125	150	199	240	300	340	388
Phase number	Three phase + N + G											
Nominal voltage	3*208VAC±15%											
Nominal frequency	60Hz±5%											
Inverter/Bypass (transforming time)	(overload) 0ms											

## SYSTEM

Model	10 KVA	15 KVA	20 KVA	30 KVA	40 KVA	50 KVA	60 KVA	80 KVA	100 KVA	120 KVA	140 KVA	160 KVA
Output single bypass	25	38	50	75	105	125	150	199	240	300	340	388
Efficiency load 100%	> 85%											
Communication port	RS232 SNMP ADAPTER											
Running temperature	0 ~ 40℃											
Relative humidity	5% ~ 95% (not condensing)											
Operation altitude (max.)	< 1000 m (1% power lost as increased every 100m, maximum 4000m)											
Cool mode	Forced ventilation											
Noise dB (subject to load and temperature, 1 meter to the UPS)	48-60						53-65					
Maintenance	Front/ Up / Left and Right side											
Quality Assurance	ISO 9001, ISO 14001, EN62040-2, EN50091-2, EN62040-1-1, CE, FCC Class A, UL For battery											
External size (WXHXD)(mm <sup>3</sup> )	560×1400×800				950×1800×850				1200×1800×900			
Weight (kg)	210	258	350	400	480	580	650	900	1200	1300	1350	1480