CHAMP SERIES

PF0.9 Online UPS

1KVA-10KVA

Applications:



ECO mode



Pure sinewave



Generator compatible

Computer

Compact & Small-Scale Online UPS Solutions

Champ Series is the high power density double-conversion online UPS with a output power factor 0.9. It's designed in small cabinet with microprocessor controller.

Champ Series also have USB and RS-232 communication ports as standard, with a built-in intelligent slot for additional adapters, protocol converters and relate contact cards.

GENERAL FEATURES

True double-conversion

Microprocessor control optimizes reliability Input power factor correction >=0.99 Output power factor 0.9 Wide input voltage (130 V – 280 V) Converter mode available ECO mode for energy saving Generator compatible Smart SNMP works well with either USB or RS-232 together display allows easy monitoring and access of UPS status



TECHNICAL SPECIFICATIONS

MODEL	CH-1101T	CH-1102T	CH-1103T	CH-1106T	CH-1110T		
PHASE		Si					
CAPACITY	1000 VA / 900W	2000 VA / 1800W	3000 VA / 2700 W	6000 VA / 5400 W	10000 VA / 9000 W		
INPUT							
Nominal Voltage		200/208/220/230/240 VAC	208/220/2	30/240 VAC			
Voltage Range		120-300 VAC (Based on load at 50%) 180-280 VAC (Based on load at 100%)			110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)		
Frequency Range		40Hz ~ 70 Hz			46~54 Hz or 56~64 Hz		
Power Factor		≧	0.99 @ Nominal Voltage (10				
OUTPUT							
Nominal Voltage		200/208/220/230/240 VAC			20/230/240 VAC		
AC Voltage Regulation		± 1%			1%		
Frequency Range(Synchronized Rang	e)	47~ 53 Hz or 57 ~ 63 Hz			46~54 Hz or 56~64 Hz		
Frequency Range(Batt. Mode)		50 Hz or 60 Hz ± 0.5%		50 Hz or 60	Hz ± 0.1 Hz		
Current Crest Ratio		3:1			:1		
		≦ 3 % THD (Linear Load),			Linear Load),		
Harmonic Distortion		≦6 % THD (Non-linear Load		on-linear Load)			
Transfer AC mode to Battery mode		Zero		Ze	ero		
Time Inverter to Bypass		4 ms (Typical)		Ze	ero		
Waveform (Batt. Mode)			Pure Sinewave				
EFFICIENCY							
Line Mode	88%	89%	90%	92%	93%		
Battery Mode	83%	85%	88%	90%	91%		
BATTERY							
Battery Type	12V / 9 Ah	12V / 9 Ah	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH		
Numbers	2	4 6		16 16			
Typical Recharge Time	4	hours recover to 90% capac	ity	9 hours recover	to 90% capacity		
Charging Current (max.)	1.0 A	1.0 A	1.0 A	1A/2A (/	Adjustable)		
Charging Voltage	27.4 VDC ± 1%	54.7 VDC ± 1%	82.1 VDC ± 1%	218.4 VDC ± 1%	218.4 VDC ± 1%		
INDICATORS							
LCD Display		Last level, Battery level, A	C mode, Battery mode, Bypa	ss mode, and Fault indicators			
ALARM							
Battery Mode		Sounding every 4 seconds					
Low Battery	Sounding every second						
Overload	Sounding twice every second						
Fault			Continously sounding				
AC INPUT & OUTPUT CONNECTORS							
AC Input Connector	1 x IEC 320 C14	1 x IEC 320 C14	1 x IEC 320 C20	Tormir	nal block		
AC Output Connector	3 x CEE 7/4 (Schuko)	3 x CEE 7/4 (Schuko)	4 x CEE 7/4 (Schuko)	Terrini	Idi Diock		
STANDARDS							
Safety / EMC	IEC 62040-1 (safety) / IEC-62040-2 (EMC) / CE						
PHYSICAL							
Dimension, D x W x H(mm)	282 x 145 x 220	397 x 145 x 237	421 x 190 x 336	UPS Unit: 369 x 190 x 688 Battery Pack: 369 x 190 x 318	UPS Unit: 442 x 190 x 688 Battery Pack: 442 x 190 x 318		
Net Weight (kgs)	9.8	17.0	17.6	UPS Unit: 61 Battery Pack:49	UPS Unit: 66 Battery Pack:49.5		
ENVIRONMENT							
Operation Humidity	20-90	20-90% RH @ 0-40°C (non-condensing)			0-95% RH @ 0-40°C (non-condensing)		
Noise Level MANAGEMENT		Less than 50 dBA @ 1 Meter			Less than 58 dBA @ 1 Mete		
Smart RS-232 / USB		Supports Windo	ws 2000/2003/XP/Vista/200	8/7 Linux and MAC			
Optional SNMP		Power man	agement from SNMP manag	er and web browser			

*1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC. 6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC. Product specifications are subject to change without further notice.

CE

Backup Time Table for Champ Series

	Backup Time with Load (Min)			
Battery Bank	25%	50%	75%	100 %
Internal battery only (24V:12V-9Ah x 2)	20	9.0	5.0	3.0
Internal battery only (48V:12V-9Ah x 4)	25	10	6.0	3.0
Internal battery only (72V:12V-9Ah x 6)	26	10	6.0	3.0
Internal battery (192V:12V-9Ah x 16)	42	17.8	10	6.8
+1 external battery (192V: 12V-9AH x 32)	78	32	18.6	12.6
Internal battery (192V:12V-9Ah x 16)	22.3	8.7	4.8	2.3
+1 external battery (192V: 12V-9AH x 32)	53	22	13	8.7
	Internal battery only (24V:12V-9Ah x 2) Internal battery only (48V:12V-9Ah x 4) Internal battery only (72V:12V-9Ah x 6) Internal battery (192V:12V-9Ah x 16) +1 external battery (192V: 12V-9AH x 32) Internal battery (192V:12V-9Ah x 16)	Battery Bank 25% Internal battery only (24V:12V-9Ah x 2) 20 Internal battery only (48V:12V-9Ah x 4) 25 Internal battery only (72V:12V-9Ah x 6) 26 Internal battery (192V:12V-9Ah x 16) 42 +1 external battery (192V:12V-9AH x 32) 78 Internal battery (192V:12V-9Ah x 16) 22.3	Battery Bank 25% 50% Internal battery only (24V:12V-9Ah x 2) 20 9.0 Internal battery only (48V:12V-9Ah x 4) 25 10 Internal battery only (72V:12V-9Ah x 6) 26 10 Internal battery (192V:12V-9Ah x 16) 42 17.8 +1 external battery (192V:12V-9AH x 32) 78 32 Internal battery (192V:12V-9AH x 16) 22.3 8.7	Battery Bank 25% 50% 75% Internal battery only (24V:12V-9Ah x 2) 20 9.0 5.0 Internal battery only (24V:12V-9Ah x 2) 20 9.0 6.0 Internal battery only (48V:12V-9Ah x 4) 25 10 6.0 Internal battery only (72V:12V-9Ah x 6) 26 10 6.0 Internal battery (192V:12V-9Ah x 16) 42 17.8 10 +1 external battery (192V:12V-9AH x 32) 78 32 18.6 Internal battery (192V:12V-9Ah x 16) 22.3 8.7 4.8

Champ Series

TECHNICAL SPECIFICATIONS

		CH-1101R	CH-1102R	CH-1103R	CH-1106R	CH-1110R	
PHASE				Single phase with ground			
CAPACIT	Y	1000 VA / 900W	2000 VA / 1800W	3000 VA / 2700 W	6000 VA / 5400 W	10000 VA / 9000 W	
NPUT			/ / / /		/		
Vominal	/oltage		200/208/220/230/240VAC			230/240VAC	
Voltage R	ange		120-300 VAC at 50% load 180-300 VAC at 100% load			3% at 50% Load 3% at 100% Load	
Frequenc	y Range		40Hz ~ 70 Hz		46~54 Hz or 56~64 Hz		
Power Fa	stor		≧	0.99 @ Nominal Voltage (100	% Last)		
UTPUT							
Vominal	/oltage		200/208/220/230/240VAC		208/220/2	230/240 VAC	
AC Voltage Regulation		± 1%			± 1%		
Frequency Range(Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz			46~54 Hz or 56~64 Hz		
requenc	y Range(Batt. Mode)	50	0 Hz ± 0.25 Hz or 60Hz ± 0.3	Hz	50 Hz or 6	60Hz ± 0.1 Hz	
Current C	rest Ratio		3:1			3:1	
Harmonic	Distortion	≦ 3 % THD (Linear Load), ≦6 % THD (Non-linear Load)				(Linear Load), Non-linear Load)	
Transfer AC mode to Battery mode		Zero			Zero		
ime	Inverter to Bypass		4 ms (Typical)		Zero		
Naveforn	n (Batt. Mode)		/	Pure Sinewave			
FFICIEN							
_ine Mod		88%	89%	90%	92%	93%	
Battery N	lode	83%	87%	88%	90%	91%	
ATTERY							
	Battery Type	12V / 9 Ah	12V / 9 Ah	12 V / 9 AH			
	Numbers	2	4	6			
itandard Aodel	Typical Recharge Time	4	hours recover to 90% capac	ity		N/A	
lodel	Charging Current (max.)	1.0 A	1.0 A	1.0 A		,	
	Charging Voltage	27.4 VDC ± 1%	54.7 VDC ± 1%	82.1 VDC ± 1%			
	Battery Type				Depending on the capa	city of external batterie	
					Depending on the capat		
ong-run	Numbers in string					Adjustable)	
		-	N/A			Adjustable)	
	Numbers in string Charging Current (max.)	- -	N/A		16-20pcs (1A/2A/4A/6A (Adjustable, 6A is	Adjustable) only available for 16pcs batte	
Model	Numbers in string Charging Current (max.) Charging Voltage	-	N/A		16-20pcs (1A/2A/4A/6A (Adjustable, 6A is	Adjustable) only available for 16pcs batte	
Model	Numbers in string Charging Current (max.) Charging Voltage			C mode, Battery mode, Bypas	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B	Adjustable) only available for 16pcs batte ased on 16pcs batterie:	
Nodel NDICATC .CD Displ	Numbers in string Charging Current (max.) Charging Voltage			C mode, Battery mode, Bypass	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B	Adjustable) only available for 16pcs batte ased on 16pcs batterie	
Nodel NDICATC CD Displ	Numbers in string Charging Current (max.) Charging Voltage DRS ay			C mode, Battery mode, Bypass Sounding every 4 seconds	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B	Adjustable) only available for 16pcs batte ased on 16pcs batterie	
NDICATC CD Displ LARM Battery M	Numbers in string Charging Current (max.) Charging Voltage DRS ay				16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B	Adjustable) only available for 16pcs batte ased on 16pcs batterie:	
NDICATC CD Displ LARM Battery M	Numbers in string Charging Current (max.) Charging Voltage DRS ay			Sounding every 4 seconds	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B s mode, and Fault indicator:	Adjustable) only available for 16pcs batte ased on 16pcs batterie:	
VIODEI CD Displ LARM Battery M Low Batte	Numbers in string Charging Current (max.) Charging Voltage DRS ay	· · ·		Sounding every 4 seconds Sounding every second	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B s mode, and Fault indicator:	Adjustable) only available for 16pcs batte ased on 16pcs batterie	
NDICATC .CD Displ .LARM Battery M .ow Batte Dverload	Numbers in string Charging Current (max.) Charging Voltage DRS ay	· · ·		Sounding every 4 seconds Sounding every second Sounding twice every second	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B s mode, and Fault indicator:	Adjustable) only available for 16pcs batte ased on 16pcs batterie	
NDICATC CD Displ LARM Battery M ow Batte Overload	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode	1 × IEC 320 C14		Sounding every 4 seconds Sounding every second Sounding twice every second	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B 5 mode, and Fault indicator:	Adjustable) only available for 16pcs batte ased on 16pcs batterie:	
Model NDICATC CD Displ LARM Battery M cow Batte Overload Fault C INPUT C INPUT	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode ery & OUTPUT CONNECTORS	1 x IEC 320 C14 3 x CEE 7/4 (Schuko)	Last level, Battery level, AG	Sounding every 4 seconds Sounding every second Sounding twice every second Continously sounding	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B 5 mode, and Fault indicator:	Adjustable) only available for 16pcs batter ased on 16pcs batterie: s	
Nodel NDICATC CD Displ LARM Battery M Low Batte Dverload Fault C INPUT AC Input C	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode ery & OUTPUT CONNECTORS Connector Connector		Last level, Battery level, AG	Sounding every 4 seconds Sounding every second Sounding twice every second Continously sounding 1 x IEC 320 C20	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B 5 mode, and Fault indicator:	Adjustable) only available for 16pcs batte ased on 16pcs batterie: s	
Nodel NDICATC CCD Displ LARM Battery M Low Batte Cow Bat	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode erry & OUTPUT CONNECTORS Connector Connector		Last level, Battery level, Ad 1 x IEC 320 C14 3 x CEE 7/4 (Schuko)	Sounding every 4 seconds Sounding every second Sounding twice every second Continously sounding 1 x IEC 320 C20	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B 5 mode, and Fault indicator: 4 5 5 7 7 7 8 7 7 8 7 7 8 7 8 7 8 7 8 7 8	Adjustable) only available for 16pcs batter ased on 16pcs batteries s	
NODEL CD Displ LARM Battery M Low Batte Dverload Fault C INPUT AC Input (AC Output TANDAF bafety / E	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode ery & OUTPUT CONNECTORS Connector Connector RDS MC		Last level, Battery level, Ad 1 x IEC 320 C14 3 x CEE 7/4 (Schuko)	Sounding every 4 seconds Sounding every second Sounding twice every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko)	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B 5 mode, and Fault indicator: 4 5 5 7 7 7 8 7 7 8 7 7 8 7 7 8 7 8 7 8 7	Adjustable) only available for 16pcs batter ased on 16pcs batterie: s	
Model NDICATC LCD Displ LARM Battery M Low Battery M Low Battery Overload Fault C INPUT AC Input (AC Output STANDAF Safety / E PHYSICA Standard	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode ery & OUTPUT CONNECTORS Connector Connector RDS MC		Last level, Battery level, Ad 1 x IEC 320 C14 3 x CEE 7/4 (Schuko)	Sounding every 4 seconds Sounding every second Sounding twice every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko)	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B 5 mode, and Fault indicator: 4 5 5 7 7 7 8 7 7 8 7 7 8 7 7 8 7 8 7 8 7	Adjustable) only available for 16pcs batter ased on 16pcs batteries s	
Model NDICATC LCD Displ ALARM Battery M Low Battery M Low Battery Overload Fault C INPUT AC INPUT AC INPUT C Output STANDAF Safety / E PHYSICA Standard	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode erry & OUTPUT CONNECTORS Connector Connector RDS MC	3 x CEE 7/4 (Schuko)	Last level, Battery level, AG 1 x IEC 320 C14 3 x CEE 7/4 (Schuko) IEC 620	Sounding every 4 seconds Sounding every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko)	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B s mode, and Fault indicator: d Termir MC) / CE N/A N/A	Adjustable) only available for 16pcs batter ased on 16pcs batteries s al block al block	
AC Input (AC Output STANDAF Safety / E PHYSICA Standard Model	Numbers in string Charging Current (max.) Charging Voltage DRS ay Hode erry & OUTPUT CONNECTORS Connector Connector Connector RDS MC L Dimension, D x W x H(mm)	3 x CEE 7/4 (Schuko) 310 x 438 x 88	Last level, Battery level, AG 1 x IEC 320 C14 3 x CEE 7/4 (Schuko) IEC 620 410 x 438 x 88	Sounding every 4 seconds Sounding every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko) 040-1 (safety) / IEC-62040-2 (E 630 x 438 x 88	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B s mode, and Fault indicator: d Termir MC) / CE N/A N/A UPS Unit: 530x438x88 [2U] Battery Pack:	Adjustable) only available for 16pcs batter ased on 16pcs batterie: s hal block hal block N/A	
Nodel NDICATC CD Displ LARM Battery M adattery M adattery M Cow Batte Dverload Gult C Input C Input C Output C Output TANDAF afety / E HYSICA Standard Model	Numbers in string Charging Current (max.) Charging Voltage DRS ay Hode erry & OUTPUT CONNECTORS Connector Connector Connector RDS MC L Dimension, D x W x H(mm) Net Weight (kgs)	3 x CEE 7/4 (Schuko) 310 x 438 x 88	Last level, Battery level, AG 1 x IEC 320 C14 3 x CEE 7/4 (Schuko) IEC 620 410 x 438 x 88	Sounding every 4 seconds Sounding every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko) 040-1 (safety) / IEC-62040-2 (E 630 x 438 x 88	I6-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B s mode, and Fault indicators d Termir MC) / CE N/A N/A UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U]	Adjustable) only available for 16pcs batter ased on 16pcs batterie s hal block hal block N/A N/A	
Andel ADICATC CD Displ LARM Battery M ow Batter Overload ault C INPUT C INPUT C INPUT C Output TANDAF afety / E HYSICA itandard Model ong-run	Numbers in string Charging Current (max.) Charging Voltage DRS ay Hode erry & OUTPUT CONNECTORS Connector Connector Connector RDS MC L Dimension, D x W x H(mm) Net Weight (kgs)	3 x CEE 7/4 (Schuko) 310 x 438 x 88	Last level, Battery level, AG	Sounding every 4 seconds Sounding every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko) 040-1 (safety) / IEC-62040-2 (E 630 x 438 x 88	I6-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B s mode, and Fault indicator: d Termir MC) / CE N/A N/A UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U] UPS Unit: 15	Adjustable) only available for 16pcs batter ased on 16pcs batterie s hal block hal block N/A N/A	
Andel ADICATC CD Displ LARM Battery M ow Batter Dverload ault C INPUT C INPUT C INPUT C Output C Output TANDAF afety / E HYSICA itandard Andel ong-run Andel	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode erry & OUTPUT CONNECTORS Connector Connector RDS MC L Dimension, D x W x H(mm) Net Weight (kgs) Net Weight (kgs)	3 x CEE 7/4 (Schuko) 310 x 438 x 88	Last level, Battery level, AG	Sounding every 4 seconds Sounding every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko) 040-1 (safety) / IEC-62040-2 (E 630 x 438 x 88	I6-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B s mode, and Fault indicators d Termir MC) / CE N/A N/A UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U]	Adjustable) only available for 16pcs batter ased on 16pcs batterie s nal block nal block N/A N/A S80 x 438 x 133[30]	
Nodel NDICATC CD Displ LARM Battery M .ow Batte Dverload Fault C INPUT C INPUT C INPUT C Output C Output TANDAF Gafety / E HYSICA Standard Model	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode erry & OUTPUT CONNECTORS Connector Connector RDS MC L Dimension, D x W x H(mm) Net Weight (kgs) Net Weight (kgs)	3 x CEE 7/4 (Schuko) 310 x 438 x 88 12	Last level, Battery level, AG	Sounding every 4 seconds Sounding every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko) 040-1 (safety) / IEC-62040-2 (E 630 x 438 x 88 29.3	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B a mode, and Fault indicator: a d d d d d MC) / CE N/A N/A UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U] UPS Unit: 15 Battery Pack:48	Adjustable) only available for 16pcs batter ased on 16pcs batterie s nal block nal block N/A N/A S80 x 438 x 133[30]	
Nodel NDICATC CD Displ LARM Battery M .ow Batter Dverload Tault C INPUT C INPUT C Output C Output TANDAF afety / E HYSICA Standard Model .ong-run Model .ong-run Model	Numbers in string Charging Current (max.) Charging Voltage DRS ay dode erry & OUTPUT CONNECTORS Connector Connector RDS MC L Dimension, D x W x H(mm) Net Weight (kgs) Dimension, D x W x H(mm) Net Weight (kgs)	3 x CEE 7/4 (Schuko) 310 x 438 x 88 12 20-90	Last level, Battery level, AG	Sounding every 4 seconds Sounding every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko) 040-1 (safety) / IEC-62040-2 (E 630 x 438 x 88 29.3	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B a mode, and Fault indicator: a d d d d d MC) / CE N/A N/A UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U] UPS Unit: 15 Battery Pack:48	Adjustable) only available for 16pcs batter ased on 16pcs batterie s alblock alblock N/A N/A 580 x 438 x 133[3U] 18	
Nodel NDICATC CD Displ LARM Battery M .ow Batter Dverload Tault C INPUT C INPUT C Output C Output TANDAF afety / E HYSICA Standard Model NVIRON Dperation Noise Lev	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode erry & OUTPUT CONNECTORS Connector Connector RDS MC L Dimension, D x W x H(mm) Net Weight (kgs) Dimension, D x W x H(mm) Net Weight (kgs)	3 x CEE 7/4 (Schuko) 310 x 438 x 88 12 20-90	Last level, Battery level, Ad 1 x IEC 320 C14 3 x CEE 7/4 (Schuko) IEC 620 410 x 438 x 88 19 N/A % RH @ 0-40°C (non-condet	Sounding every 4 seconds Sounding every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko) 040-1 (safety) / IEC-62040-2 (E 630 x 438 x 88 29.3	I6-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B is mode, and Fault indicator: d Termir MC) / CE N/A N/A UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U] UPS Unit: 15 Battery Pack:48 0-95% RH @ 0-40	Adjustable) only available for 16pcs batter ased on 16pcs batterie s alblock alblock N/A N/A 580 x 438 x 133[3U] 18	
Model NDICATC CD Displ LARM Battery M .ow Batte Overload Fault C INPUT AC Input (AC Output TANDAF Gafety / E HYSICA Standard Model Nong-run Model NUIRON Dperation Noise Lev IANAGE	Numbers in string Charging Current (max.) Charging Voltage DRS ay lode erry & OUTPUT CONNECTORS Connector Connector RDS MC L Dimension, D x W x H(mm) Net Weight (kgs) Dimension, D x W x H(mm) Net Weight (kgs)	3 x CEE 7/4 (Schuko) 310 x 438 x 88 12 20-90	Last level, Battery level, Ad 1 x IEC 320 C14 3 x CEE 7/4 (Schuko) IEC 620 410 x 438 x 88 19 N/A % RH @ 0-40°C (non-conden Less than 50 dBA @ 1 Meter	Sounding every 4 seconds Sounding every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko) 040-1 (safety) / IEC-62040-2 (E 630 x 438 x 88 29.3	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B a mode, and Fault indicator: a d d d d d MC) / CE N/A N/A UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U] UPS Unit: 15 Battery Pack:48 0-95% RH @ 0-400 Less than 50 dBA @ 1 Meter	Adjustable) only available for 16pcs batter ased on 16pcs batterie s alblock alblock N/A N/A 580 x 438 x 133[3U] 18	
Model NDICATC CD Displ LARM Battery M .ow Batte Overload Fault C INPUT AC Input (AC Output TANDAF Gafety / E HYSICA Standard Model Nong-run Model NUIRON Dperation Noise Lev IANAGE	Numbers in string Charging Current (max.) Charging Voltage DRS ay dode erry & OUTPUT CONNECTORS Connector Connector Connector RDS MC L Dimension, D x W x H(mm) Net Weight (kgs) Dimension, D x W x H(mm) Net Weight (kgs) MENT o Humidity el MENT 232 / USB	3 x CEE 7/4 (Schuko) 310 x 438 x 88 12 20-90	Last level, Battery level, AG	Sounding every 4 seconds Sounding every second Continously sounding 1 x IEC 320 C20 4 x CEE 7/4 (Schuko) 040-1 (safety) / IEC-62040-2 (E 630 x 438 x 88 29.3	16-20pcs (1A/2A/4A/6A (Adjustable, 6A is 218.4 VDC ± 1% (B is mode, and Fault indicator: d Termir MC) / CE N/A N/A UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U] UPS Unit: 15 Battery Pack:48 0-95% RH @ 0-40 Less than 50 dBA @ 1 Meter /7, Linux and MAC	Adjustable) only available for 16pcs batter ased on 16pcs batterie s hal block hal block N/A N/A 580 x 438 x 133[3U] 18	

Backup Time Table for Champ Series

		Backup Time with Load (Min)			
	Battery Bank	25%	50%	75%	100 %
CH 1106RS	Internal battery (192V:12V-9Ah x 16)	42	17.8	10	6.8
	+1 external battery (192V: 12V-9AH x 32)	78	32	18.6	12.6
CH 1110RS	Internal battery (192V:12V-9Ah x 16)	22.3	8.7	4.8	2.3
	+1 external battery (192V: 12V-9AH x 32)	53	22	13	8.7