

# Product Guide

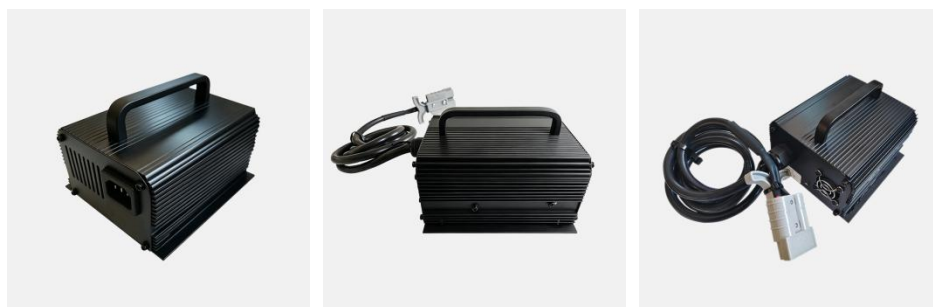
HIGH-FREQUENCY BATTERY CHARGER

**IPSS**

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## 300W – OB Series Product Specification Sheet



### Product Description

**Type:** On Board Charger(OB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		300W SERIES		
Model		IPS-OB1215	IPS-OB2410	IPS-OB485
Input Parameters	AC Voltage	Single Phase 100-240V		
	Rated Frequency	50/60Hz		
	Input Current(Max)	≤2.5A	≤3.4A	≤3.2A
	Power Factor	≥0.99		
	Input Power	≤240W	≤335W	≤335W
	AC Plug	L+N+PE		
Output Parameters	Conversion Efficiency	≥86%		
	Rated Output Voltage	12V	24V	48V
	Rated Output Current	15A	10A	5A
	Rated Output Power	216W	288W	288W
	DC Output Voltage	6Vdc~16Vdc	10Vdc~32Vdc	10Vdc~60Vdc
	Output Plug	Customized		
Protocol Parameters	CAN Communication	Optional		
	Communication Protocol	Customized		
Other Parameters	Battery Type	Lead-Acid/Lithium		
	Cooling Mode	Air cooling		
	Ambient Temperature	-20℃~50℃		
	Operating Humidity	0%-95%		
	IP Rating	IP55		
	Noise	<65dB		
	Altitude	<2000m		
	Machine Dimension	L127*W123*H98(MM)		
Net Weight	1.5Kg			

## 750W – OB Series Product Specification Sheet



### Product Description

**Type:** On Board Charger(OB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		750W SERIES	
Model		IPS-OB2425	IPS-OB4815
Input Parameters	AC Voltage	Single Phase 100-240V	
	Rated Frequency	50/60Hz	
	Input Current(Max)	≤7.9A	≤8.9A
	Power Factor	110V≥0.53,220V≥0.69	
	Input Power	≤835W	≤940W
	AC Plug	Industrial/L+N+PE	
Output Parameters	Conversion Efficiency	≥87%	
	Rated Output Voltage	24V	48V
	Rated Output Current	25A	15A
	Rated Output Power	720W	810W
	DC Output Voltage	18Vdc~30Vdc	36Vdc~60Vdc
	Output Plug	Customized	
Protocol Parameters	CAN Communication	Optional	
	Communication Protocol	Customized	
Other Parameters	Battery Type	Lead-Acid/Lithium	
	Cooling Mode	Natural cooling	
	Ambient Temperature	-20℃~50℃	
	Operating Humidity	0%-98%	
	IP Rating	IP65	
	Noise	<65dB	
	Altitude	<2000m	
	Machine Dimension	L208*W165*H180(MM)	
Net Weight	4Kg		

## 900W – OB Series Product Specification Sheet



### Product Description

**Type:** On Board Charger(OB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		900W SERIES		
Model		IPS-OB2430	IPS-OB4815-1	IPS-OB6013
Input Parameters	AC Voltage	Single Phase 100-240V		
	Rated Frequency	50/60Hz		
	Input Current(Max)	≤9.7A	≤9.1A	≤10A
	Power Factor	≥0.99		
	Input Power	≤969W	≤909W	≤998W
	AC Plug	L+N+PE		
Output Parameters	Conversion Efficiency	≥90%		
	Rated Output Voltage	24V	48V	60V
	Rated Output Current	30A	15A	13A
	Rated Output Power	864W	810W	889W
	DC Output Voltage	10Vdc~28.8Vdc	10Vdc~57.6Vdc	10Vdc~73Vdc
	Output Plug	Customized		
Protocol Parameters	CAN Communication	Optional		
	Communication Protocol	Customized		
Other Parameters	Battery Type	Lead-Acid/Lithium		
	Cooling Mode	Air cooling		
	Ambient Temperature	-20℃~50℃		
	Operating Humidity	0%-95%		
	IP Rating	IP55		
	Noise	<65dB		
	Altitude	<2000m		
	Machine Dimension	L182*W123*H98(MM)		
	Net Weight	2Kg		

## 1000W – OB Series Product Specification Sheet



### Product Description

**Type:** On Board Charger(OB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		1000W SERIES	
Model		IPS-OB2436	IPS-OB4818
Input Parameters	AC Voltage	Single Phase 180-240V	
	Rated Frequency	50/60Hz	
	Input Current(Max)	≤6.3A	≤5.9A
	Power Factor	≥0.99	
	Input Power	≤1138W	≤1067W
	AC Plug	Industrial/L+N+PE	
Output Parameters	Conversion Efficiency	≥92%	
	Rated Output Voltage	24V	48V
	Rated Output Current	36A	18A
	Rated Output Power	1036W	972W
	DC Output Voltage	18Vdc~30Vdc	36Vdc~60Vdc
	Output Plug	Customized	
Protocol Parameters	CAN Communication	Optional	
	Communication Protocol	Customized	
Other Parameters	Battery Type	Lead-Acid/Lithium	
	Cooling Mode	Natural cooling	
	Ambient Temperature	-20℃~50℃	
	Operating Humidity	0%-98%	
	IP Rating	IP67	
	Noise	<65dB	
	Altitude	<2000m	
	Machine Dimension	L195*W180*H160(MM)	
	Net Weight	5Kg	

## 1200W – OB Series Product Specification Sheet



### Product Description

**Type:** On Board Charger(OB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		1200W SERIES			
Model		IPS-OB2430	IPS-OB4820	IPS-OB6015	IPS-OB8010
Input Parameters	AC Voltage	Single Phase 100-240V			
	Rated Frequency	50/60Hz			
	Input Current(Max)	≤9.5A	≤8.9A	≤9A	≤9.9A
	Power Factor	≥0.99			
	Input Power	≤948W	≤1185W	≤1126W	≤988W
	AC Plug	Industrial/L+N+PE			
Output Parameters	Conversion Efficiency	≥92%			
	Rated Output Voltage	24V	48V	60V	80V
	Rated Output Current	30A	AC110V/15A AC220V/20A	AC110V/12A AC220V/15A	10A
	Rated Output Power	864W	1080W	1026W	900W
	DC Output Voltage	18Vdc~30Vdc	36Vdc~60Vdc	42Vdc~72Vdc	62Vdc~92Vdc
	Output Plug	Customized			
Protocol Parameters	CAN Communication	Optional			
	Communication Protocol	Customized			
Other Parameters	Battery Type	Lead-Acid/Lithium			
	Cooling Mode	Air cooling			
	Ambient Temperature	-20℃~50℃			
	Operating Humidity	0%-100%			
	IP Rating	IP67			
	Noise	<65dB			
	Altitude	<2000m			
	Machine Dimension	L282*W128*H80(MM)			
	Net Weight	3Kg			

## 2200W – OB Series Product Specification Sheet



### Product Description

**Type:** On Board Charger(OB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		2200W SERIES			
Model		IPS-OB2450	IPS-OB4835	IPS-OB6030	IPS-OB7225
Input Parameters	AC Voltage	Single Phase 100-240V			
	Rated Frequency	50/60Hz			
	Input Current(Max)	≤8.8A	≤11.5A	≤12.5A	≤12.6A
	Power Factor	≥0.99			
	Input Power	≤1581W	≤2075W	≤2253W	≤2272W
	AC Plug	Industrial/L+N+PE			
Output Parameters	Conversion Efficiency	≥92%			
	Rated Output Voltage	24V	48V	60V	72V
	Rated Output Current	AC110V/30A AC220V/50A	AC110V/20A AC220V/35A	AC110V/15A AC220V/30A	AC110V/13A AC220V/25A
	Rated Output Power	1440W	1890W	2052W	2070W
	DC Output Voltage	18Vdc~30Vdc	36Vdc~60Vdc	42Vdc~72Vdc	56Vdc~84Vdc
	Output Plug	Customized			
Protocol Parameters	CAN Communication	Optional			
	Communication Protocol	Customized			
Other Parameters	Battery Type	Lead-Acid/Lithium			
	Cooling Mode	Air cooling			
	Ambient Temperature	-20℃~50℃			
	Operating Humidity	0%-100%			
	IP Rating	IP67			
	Noise	<65dB			
	Altitude	<2000m			
	Machine Dimension	L284*W168*H90(MM)			
	Net Weight	5Kg			

## 3300W – OB Series Product Specification Sheet



### Product Description

**Type:** On Board Charger(OB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		3300W SERIES				
Model		IPS-OB24100	IPS-OB3670	IPS-OB4850	IPS-OB7235	IPS-OB9630
Input Parameters	AC Voltage	Single Phase 100-240V				
	Rated Frequency	50/60Hz				
	Input Current(Max)	≤16.1A	≤16.1A	≤16.1A	≤17.3A	≤19.3A
	Power Factor	≥0.99				
	Input Power	≤3162W	≤3320W	≤2901W	≤3481W	≤3481W
	AC Plug	Industrial/L+N+PE				
Parameters	Conversion Efficiency	≥92%				
	Rated Output Voltage	24V	36V	48V	72V	96V
	Rated Output Current	AC110V/50A AC220V/100A	AC110V/35A AC220V/70A	AC110V/25A AC220V/50A	AC110V/20A AC220V/40A	AC110V/15A AC220V/30A
	Rated Output Power	2880W	3024W	2700W	2898W	3240W
	DC Output Voltage	18Vdc~30Vdc	28Vdc~45Vdc	36Vdc~60Vdc	56Vdc~84Vdc	75Vdc~111Vdc
	Output Plug	Customized				
Protocol Parameters	CAN Communication	Optional				
	Communication Protocol	Customized				
Other Parameters	Battery Type	Lead-Acid/Lithium				
	Cooling Mode	Air cooling				
	Ambient Temperature	-20℃~50℃				
	Operating Humidity	0%-95%				
	IP Rating	IP67				
	Noise	<65dB				
	Altitude	<2000m				
	Machine Dimension	L348*W211*H104(MM)				
	Net Weight	10Kg				

## 6600W – OB Series Product Specification Sheet



### Product Description

**Type:** On Board Charger(OB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		6600W SERIES		
Model		IPS-OB48100	IPS-OB8070	IPS-OB9660
Input Parameters	AC Voltage	Three Phase 380V		
	Rated Frequency	50/60Hz		
	Input Current(Max)	≤10.4A	≤12.1A	≤12.4A
	Power Factor	≥0.94		
	Input Power	≤5802W	≤6769W	≤6963W
	AC Plug	Industrial/3PH+PE		
Output Parameters	Conversion Efficiency	≥94%		
	Rated Output Voltage	48V	80V	96V
	Rated Output Current	100A	70A	60A
	Rated Output Power	5400W	6300W	6480W
	DC Output Voltage	36Vdc~60Vdc	63Vdc~94Vdc	75Vdc~111Vdc
	Output Plug	Customized		
Protocol Parameters	CAN Communication	Optional		
	Communication Protocol	Customized		
Other Parameters	Battery Type	Lead-Acid/Lithium		
	Cooling Mode	Air cooling		
	Ambient Temperature	-20℃~50℃		
	Operating Humidity	0%-95%		
	IP Rating	IP67		
	Noise	<65dB		
	Altitude	<2000m		
	Machine Dimension	L392*W215*H120(MM)		
Net Weight	16Kg			

## 1800W – CHB Series Product Specification Sheet



### Product Description

**Type:** High-Frequency Intelligent Charger (CHB Series)

**Applications:** Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		1800W SERIES				
Model		IPS-CHB2450	IPS-CHB2460	IPS-CHB4830	IPS-CHB6025	IPS-CHB7220
Input Parameters	AC Voltage	Single Phase-220V				
	Rated Frequency	50/60Hz				
	Input Current(Max)	≤10.3A	≤12.5A	≤12.4A	≤15.8A	≤15.8A
	Power Factor	≥0.7				
	Input Power	≤2285W	≤2742W	≤2742W	≤2897W	≤2871W
	AC Plug	Industrial/L+N+PE				
Output Parameters	Conversion Efficiency	≥90%				
	Rated Output Voltage	24V	24V	48V	60V	72V
	Rated Output Current	50A	60A	30A	25A	20A
	Rated Output Power	1440W	1728W	1728W	1825W	1752W
	DC Output Voltage	10Vdc~32Vdc	10Vdc~32Vdc	10Vdc~60Vdc	10Vdc~75Vdc	10Vdc~100Vdc
	Output Plug	Customized				
Protocol Parameters	CAN Communication	Optional				
	Communication Protocol	Customized				
Other Parameters	Battery Type	Lead-Acid/Lithium				
	Cooling Mode	Air cooling				
	Ambient Temperature	-20℃~50℃				
	Operating Humidity	0%-95%				
	IP Rating	IP20/IP54(Optional)				
	Noise	<65dB				
	Altitude	<2000m				
	Machine Dimension	L350*W200*H160(MM)				
	Net Weight	6Kg				

## 3000W – CHB Series Product Specification Sheet



### Product Description

**Type:** High-Frequency Intelligent Charger (CHB Series)

**Applications:** Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		3000W SERIES			
Model		IPS-CHB24100	IPS-CHB3650	IPS-CHB4850	IPS-CHB7235
Input Parameters	AC Voltage	Single Phase 100-240V			
	Rated Frequency	50/60Hz			
	Input Current(Max)	≤14.5A	≤10.8A	≤14.5A	≤15.4A
	Power Factor	≥0.99			
	Input Power	≤3196W	≤2397W	≤3196W	≤3403W
	AC Plug	Industrial/L+N+PE			
Output Parameters	Conversion Efficiency	≥91%			
	Rated Output Voltage	24V	36V	48V	72V
	Rated Output Current	100A	50A	50A	35A
	Rated Output Power	2880W	2160W	2880W	3066W
	DC Output Voltage	10Vdc~32Vdc	10Vdc~60Vdc	10Vdc~60Vdc	10Vdc~100Vdc
	Output Plug	Customized			
Protocol Parameters	CAN Communication	Optional			
	Communication Protocol	Customized			
Other Parameters	Battery Type	Lead-Acid/Lithium			
	Cooling Mode	Air cooling			
	Ambient Temperature	-20℃~50℃			
	Operating Humidity	0%-95%			
	IP Rating	IP20/IP54(Optional)			
	Noise	<65dB			
	Altitude	<2000m			
	Machine Dimension	L365*W175*H358(MM)			
	Net Weight	11Kg			

## 6000W – CHB Series Product Specification Sheet



### Product Description

**Type:** High-Frequency Intelligent Charger (CHB Series)

**Applications:** Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		6000W SERIES			
Model		IPS-CHB24150	IPS-CHB24200	IPS-CHB48100	IPS-CHB8065
Input Parameters	AC Voltage	Single Phase 100-240V			
	Rated Frequency	50/60Hz			
	Input Current(Max)	≤22A	≤29A	≤29A	≤29A
	Power Factor	≥0.99			
	Input Power	≤4700W	≤6300W	≤6300W	≤6200W
	AC Plug	Industrial/L+N+PE			
Output Parameters	Conversion Efficiency	≥92%			
	Rated Output Voltage	24V	24V	48V	80V
	Rated Output Current	150A	200A	100A	65A
	Rated Output Power	4320W	5760W	5760W	5700W
	DC Output Voltage	10Vdc~32Vdc	10Vdc~32Vdc	10Vdc~60Vdc	10Vdc~100Vdc
	Output Plug	Customized			
Protocol Parameters	CAN Communication	Optional			
	Communication Protocol	Customized			
Other Parameters	Battery Type	Lead-Acid/Lithium			
	Cooling Mode	Air cooling			
	Ambient Temperature	-20℃~50℃			
	Operating Humidity	0%-95%			
	IP Rating	IP20/IP54(Optional)			
	Noise	<65dB			
	Altitude	<2000m			
	Machine Dimension	L365*W293*H433(MM)			
	Net Weight	24Kg			

## 7000W – CHB Series Product Specification Sheet



### Product Description

**Type:** High-Frequency Intelligent Charger (CHB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		7000W SERIES					
Model		IPS-CHB36100	IPS-CHB48100-1	IPS-CHB48100-2	IPS-CHB36100	IPS-CHB48100	IPS-CHB48100
Input Parameters	AC Voltage	Three phase four wire 380V/480V					
	Rated Frequency	50/60Hz					
	Input Current(Max)	≤7.2A	≤7.6A	≤9.6A	≤11A	≤11.7A	≤10.8A
	Power Factor	≥0.99					
	Input Power	≤4743W	≤6324W	≤6324W	≤7200W	≤7700W	≤7100W
	AC Plug	Three Phase+PE					
Output Parameters	Conversion Efficiency	≥92%					
	Rated Output Voltage	36V	48V	48V	80V	96V	115.2V
	Rated Output Current	100A	100A	100A	70A	60A	50A
	Rated Output Power	4320W	5700W	5700W	6500W	7000W	6500W
	DC Output Voltage	10Vdc~60Vdc	10Vdc~60Vdc	10Vdc~60Vdc	10Vdc~100Vdc	10Vdc~110Vdc	10Vdc~132Vdc
	Output Plug	Customized					
Protocol Parameters	CAN Communication	Optional					
	Communication Protocol	Customized					
Other Parameters	Battery Type	Lead-Acid/Lithium					
	Cooling Mode	Air cooling					
	Ambient Temperature	-20℃~50℃					
	Operating Humidity	0%-95%					
	IP Rating	IP20/IP54(Optional)					
	Noise	<65dB					
	Altitude	<2000m					
	Machine Dimension	L400*W205*H437(MM)					
Net Weight	18Kg						

# 14kW – CHB Series Product Specification Sheet



## Product Description

**Type:** High-Frequency Intelligent Charger (CHB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		14KW SERIES					
Model		IPS-CHB36200	IPS-CHB48200	IPS-CHB80150-1	IPS-CHB80150-2	IPS-CHB115.2100	IPS-CHB153.670
Input Parameters	AC Voltage	Three phase four wire 380V/480V					
	Rated Frequency	50/60Hz					
	Input Current(Max)	≤14.4A	≤18A	≤22A	≤17.3A	≤21.6A	≤20.1A
	Power Factor	≥0.99					
	Input Power	≤9.5KW	≤11.8KW	≤14.4KW	≤14.4KW	≤14.2KW	≤13.3KW
	AC Plug	Three Phase+PE					
Output Parameters	Conversion Efficiency	≥92%					
	Rated Output Voltage	36V	48V	80V	80V	115.2V	153.6V
	Rated Output Current	200A	200A	150A	150A	100A	70A
	Rated Output Power	8.64KW	10.8KW	13.1KW	13.1KW	13KW	12.1KW
	DC Output Voltage	10Vdc~60Vdc	10Vdc~60Vdc	10Vdc~100Vdc	10Vdc~100Vdc	10Vdc~132Vdc	10Vdc~176Vdc
	Output Plug	Customized					
Protocol Parameters	CAN Communication	Optional					
	Communication Protocol	Customized					
Other Parameters	Battery Type	Lead-Acid/Lithium					
	Cooling Mode	Air cooling					
	Ambient Temperature	-20℃~50℃					
	Operating Humidity	0%-95%					
	IP Rating	IP20/IP54(Optional)					
	Noise	<65dB					
	Altitude	<2000m					
	Machine Dimension	L403*W367*H535(MM)					
Net Weight	35Kg						

## 20kW – CHB Series Product Specification Sheet



### Product Description

**Type:** High-Frequency Intelligent Charger (CHB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		20KW SERIES				
Model		IPS-CHB48250	IPS-CHB48300	IPS-CHB80200	IPS-CHB96200	IPS-CHB153.6100
Input Parameters	AC Voltage	Three phase four wire 380V/480V				
	Rated Frequency	50/60Hz				
	Input Current(Max)	≤24A	≤31A	≤29A	≤28.5A	≤28.8A
	Power Factor	≥0.99				
	Input Power	≤15.8KW	≤18.8KW	≤19.2KW	≤23.7KW	≤19KW
	AC Plug	Three Phase+PE				
Output Parameters	Conversion Efficiency	≥92%				
	Rated Output Voltage	48V	48V	80V	96V	153.6V
	Rated Output Current	250A	300A	200A	200A	100A
	Rated Output Power	14.4KW	17.28KW	17.5KW	21.6KW	17KW
	DC Output Voltage	10Vdc~60Vdc	10Vdc~60Vdc	10Vdc~100Vdc	10Vdc~110Vdc	10Vdc~176Vdc
	Output Plug	Customized				
Protocol Parameters	CAN Communication	Optional				
	Communication Protocol	Customized				
Other Parameters	Battery Type	Lead-Acid/Lithium				
	Cooling Mode	Air cooling				
	Ambient Temperature	-20℃~50℃				
	Operating Humidity	0%-95%				
	IP Rating	IP20/IP54(Optional)				
	Noise	<65dB				
	Altitude	<2000m				
	Machine Dimension	L403*W367*H535(MM)				
	Net Weight	39Kg				

## 21kW – CHB Series Product Specification Sheet



### Product Description

**Type:** High-Frequency Intelligent Charger (CHB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		21KW SERIES		
Model		IPS-CHB48250-1	IPS-CHB48300-1	IPS-CHB80150
Input Parameters	AC Voltage	Three phase four wire 220V		
	Rated Frequency	50/60Hz		
	Input Current(Max)	≤41.5A	≤50A	≤37.9A
	Power Factor	≥0.99		
	Input Power	≤15.8KW	≤19KW	≤14.4KW
	AC Plug	Three Phase+PE		
Output Parameters	Conversion Efficiency	≥92%		
	Rated Output Voltage	48V	48V	80V
	Rated Output Current	250A	300A	150A
	Rated Output Power	14.4KW	17.2KW	13KW
	DC Output Voltage	10Vdc~60Vdc	10Vdc~60Vdc	10Vdc~100Vdc
	Output Plug	Customized		
Protocol Parameters	CAN Communication	Optional		
	Communication Protocol	Customized		
Other Parameters	Battery Type	Lead-Acid/Lithium		
	Cooling Mode	Air cooling		
	Ambient Temperature	-20℃~50℃		
	Operating Humidity	0%-95%		
	IP Rating	IP20/IP54(Optional)		
	Noise	<65dB		
	Altitude	<2000m		
	Machine Dimension	L402*W366*H681(MM)		
	Net Weight	45Kg		

## 750W – CHB Series Product Specification Sheet



### Product Description

**Type:** High-Frequency Intelligent Charger (CHB Series)

**Applications:**Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		750W SERIES
Model		IPS-CHB80250
Input Parameters	AC Voltage	Three phase four wire 220V
	Rated Frequency	50/60Hz
	Input Current(Max)	≤63A
	Power Factor	≥0.99
	Input Power	≤24KW
	AC Plug	Three Phase+PE
Output Parameters	Conversion Efficiency	≥92%
	Rated Output Voltage	80V
	Rated Output Current	250A
	Rated Output Power	21.9KW
	DC Output Voltage	10Vdc~100Vdc
	Output Plug	Customized
Protocol Parameters	CAN Communication	Optional
	Communication Protocol	Customized
Other Parameters	Battery Type	Lead-Acid/Lithium
	Cooling Mode	Natural cooling
	Ambient Temperature	-20℃~50℃
	Operating Humidity	0%-95%
	IP Rating	IP20/IP54(Optional)
	Noise	<65dB
	Altitude	<2000m
	Machine Dimension	L402*W366*H832(MM)
Net Weight	55Kg	

# 10kW – CHB Series Product Specification Sheet



## Product Description

**Type:** High-Frequency Intelligent Charger (CHB Series)

**Applications:** Battery Type: Lithium Battery / Lead-Acid Battery / Other Power Batteries

Vehicle Equipment: Forklifts, Stackers, Sweepers, Golf Carts, Tricycles, Aerial Work Platforms, and other industrial vehicles or cleaning equipment.

SPECIFICATIONS		10KW SERIES			
Model		IPS-CHB80250-1	IPS-CHB80250-2	IPS-CHB80300	IPS-CHB153.6150
Input Parameters	AC Voltage	Three phase four wire 380V/480V			
	Rated Frequency	50/60Hz			
	Input Current(Max)	≤36.5A	≤28.9A	≤34.7A	≤43.2A
	Power Factor	≥0.99			
	Input Power	≤24KW	≤24KW	≤28.8KW	≤28.4KW
	AC Plug	Three Phase+PE			
Output Parameters	Conversion Efficiency	≥92%			
	Rated Output Voltage	80V	80V	80V	153.6V
	Rated Output Current	250A	250A	300A	150A
	Rated Output Power	21.9KW	21.9KW	26.2KW	26KW
	DC Output Voltage	10Vdc~100Vdc	10Vdc~100Vdc	10Vdc~100Vdc	10Vdc~176Vdc
	Output Plug	Customized			
Protocol Parameters	CAN Communication	Optional			
	Communication Protocol	Customized			
Other Parameters	Battery Type	Lead-Acid/Lithium			
	Cooling Mode	Air cooling			
	Ambient Temperature	-20℃~50℃			
	Operating Humidity	0%-95%			
	IP Rating	IP20/IP54(Optional)			
	Noise	<65dB			
	Altitude	<2000m			
	Machine Dimension	L402*W366*H681(MM)			
Net Weight	47Kg				