

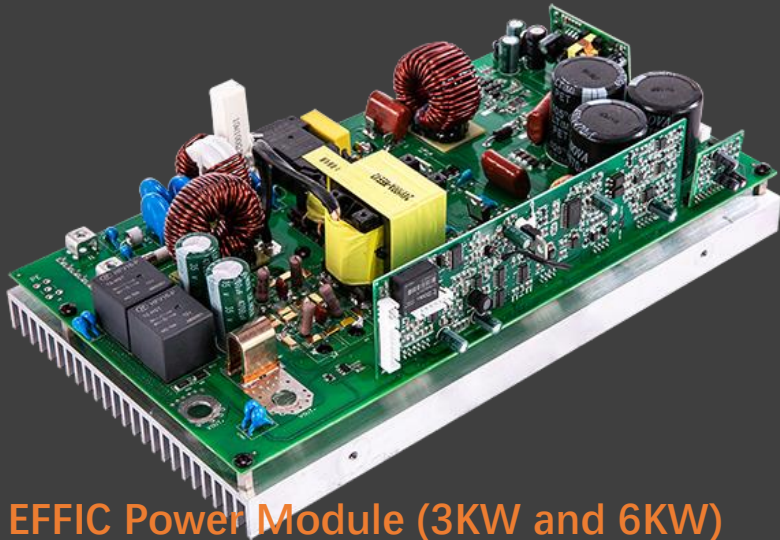


High Efficiency Charger

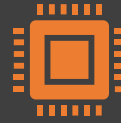
For Lithium Battery and Lead-Acid Battery



Product Philosophy : Simplicity & Reliability



EFFIC Power Module (3KW and 6KW)
Fully owned and in-house developed



“Phase-Shifting Full-Bridge Converter” technology, if compared with “LLC Resonant Converter” technology which is commonly applied in current market, it is more reliable for low-voltage and high current power supply.

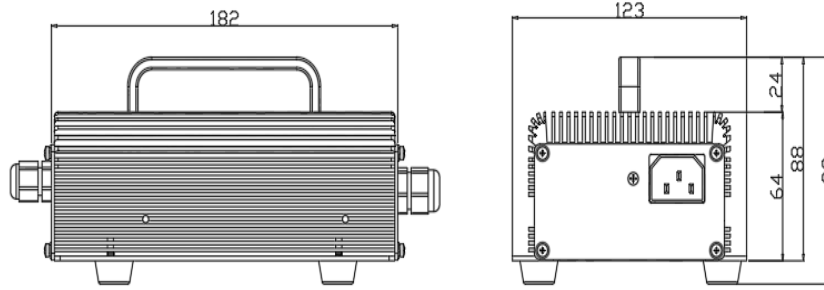


EFFIC module is with “ AC current limit” , to minimize the AC shock to charger, due to the un-stable grid supply in many countries.



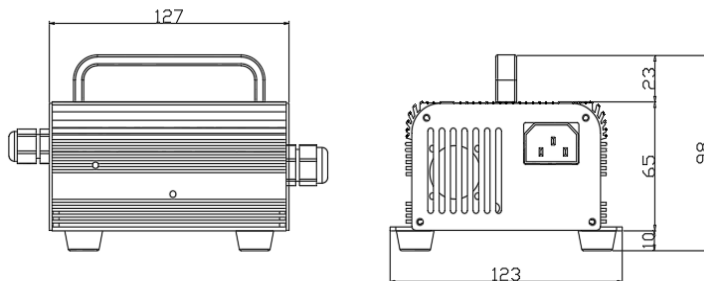
EFFIC module is with “ Aluminum Radiator Unit” in the bottom of PCB board , which can better withstand heavy-duty operation, even with vibration.

300W-A Series



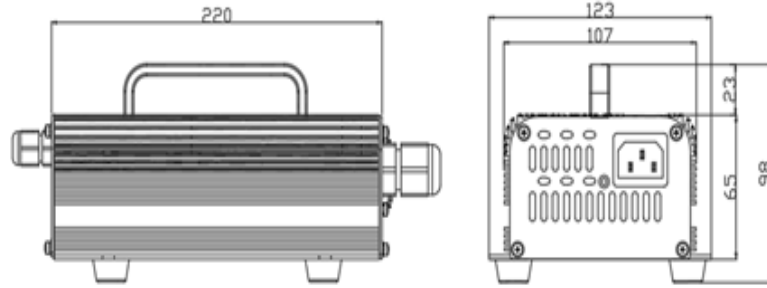
300W-A	Model	12V15A	12V25A	24V8A	24V10A	24V15A	48V5A
INPUT	AC Voltage	AC100-240V	AC100-240V	AC100-240V	AC100-240V	AC100-240V	AC100-240V
	AC Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Current(Max)	$\leq 2.4A$	$\leq 4A$	$\leq 2.6A$	$\leq 3.2A$	$\leq 5A$	$\leq 3.2A$
	Power factor	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
	Input power	$\leq 240W$	$\leq 400W$	$\leq 256W$	$\leq 320W$	$\leq 480W$	$\leq 320W$
	AC Plug	L+N+PE	L+N+PE	L+N+PE	L+N+PE	L+N+PE	L+N+PE
OUTPUT	Conversion efficiency	≥ 0.90	≥ 0.90	≥ 0.90	≥ 0.90	≥ 0.90	≥ 0.90
	Rated output voltage	14.4V	14.4V	28.8V	28.8V	28.8V	57.6V
	Rated output current	15A	25A	8A	10A	15A	5A
	Rated output power	216W	360W	230W	288W	432W	288W
	DC output voltage	6Vdc ~ 16Vdc	6Vdc ~ 16Vdc	10Vdc ~ 32Vdc	10Vdc ~ 32Vdc	10Vdc ~ 32Vdc	10Vdc ~ 60Vdc
	Output plug	Anderson SB50	Anderson SB50	Anderson SB50	Anderson SB50	Anderson SB50	Anderson SB50
COMM	CAN-BUS	Optional	Optional	Optional	Optional	N/A	Optional
	Protocol	Customized	Customized	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	182X123X98(mm)	182X123X98(mm)	182X123X98(mm)	182X123X98(mm)	182X123X98(mm)	182X123X98(mm)
	Weight	1.5KG	1.5KG	1.5KG	1.5KG	1.5KG	1.5KG
	Cooling mode	Natural cooling	Natural cooling	Natural cooling	Natural cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP65	IP55	IP65	IP65	IP55	IP55
	IP Rating (Optional)	N/A	N/A	N/A	N/A	N/A	N/A
	Noise	<65dB	<65dB	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m	<2000m	<2000m

300W-B Series



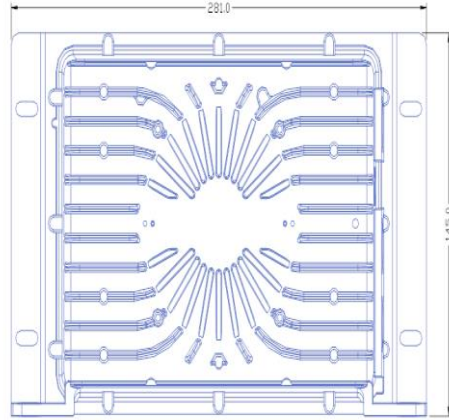
300W-B	Model	12V15A	24V8A	24V10A	48V5A
INPUT	AC Voltage	AC100-240V	AC100-240V	AC100-240V	AC100-240V
	AC Phase	Single Phase	Single Phase	Single Phase	Single Phase
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	<=2.4A@Input AC100	<=2.7A@Input AC100	<=3.4A@Input AC100	<=3.4A
	Power factor	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
	Input power	<=240W	<=267W	<=335W	<=335W
	AC Plug	L+N+PE	L+N+PE	L+N+PE	L+N+PE
OUTPUT	Conversion efficiency	≥ 0.86	≥ 0.86	≥ 0.86	≥ 0.86
	Rated output voltage	14.4V	28.8V	28.8V	57.6V
	Rated output current	15A	8A	10A	5A
	Rated output power	216W	230W	288W	288W
	DC output voltage	6Vdc ~ 16Vdc	10Vdc ~ 32Vdc	10Vdc ~ 32Vdc	10Vdc ~ 60Vdc
	Output plug	Anderson SB50	Anderson SB50	Anderson SB50	Anderson SB50
COMM	CAN-BUS	N/A	N/A	N/A	Optional
	Protocol	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	127X123X98(mm)	127X123X98(mm)	127X123X98(mm)	127X123X98(mm)
	Weight	1.24KG	1.24KG	1.24KG	1.24KG
	Cooling mode	Air cooling	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP55	IP55	IP55	IP55
	IP Rating (Optional)	N/A	N/A	N/A	N/A
	Noise	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m

900W-B Series



900W-B	Model	24V20A	24V30A	48V10A	48V15A	60V13A
INPUT	AC Voltage	AC100-240V	AC100-240V	AC100-240V	AC100-240V	AC100-240V
	AC Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	<=6.5A	<=9.6A	<=6.4A	<=9.6A	<=10.5A
	Power factor	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
	Input power	<=640W	<=960W	<=640W	<=960W	<=1054W
	AC Plug	L+N+PE	L+N+PE	L+N+PE	IL+N+PE	L+N+PE
OUTPUT	Conversion efficiency	≥ 0.9	≥ 0.9	≥ 0.9	≥ 0.9	≥ 0.9
	Rated output voltage	28.8V	28.8V	57.6V	57.6V	73V
	Rated output current	20A	8A	10A	15A	13A
	Rated output power	576W	860W	576W	864W	949W
	DC output voltage	10Vdc ~ 32Vdc	10Vdc ~ 32Vdc	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 75Vdc
	Output plug	Anderson SB50	Anderson SB50	Anderson SB50	Anderson SB50	Anderson SB50
COMM	CAN-BUS	Optional	Optional	Optional	Optional	Optional
	Protocol	Customized	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	220X123X98(m m)	220X123X98(m m)	220X123X98(m m)	220X123X98(m m)	220X123X98(m m)
	Weight	2KG	2KG	2KG	2KG	2KG
	Cooling mode	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP55	IP55	IP55	IP55	IP55
	IP Rating (Optional)	N/A	N/A	N/A	N/A	N/A
	Noise	<65dB	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m	<2000m

1200W-A Series



IP67

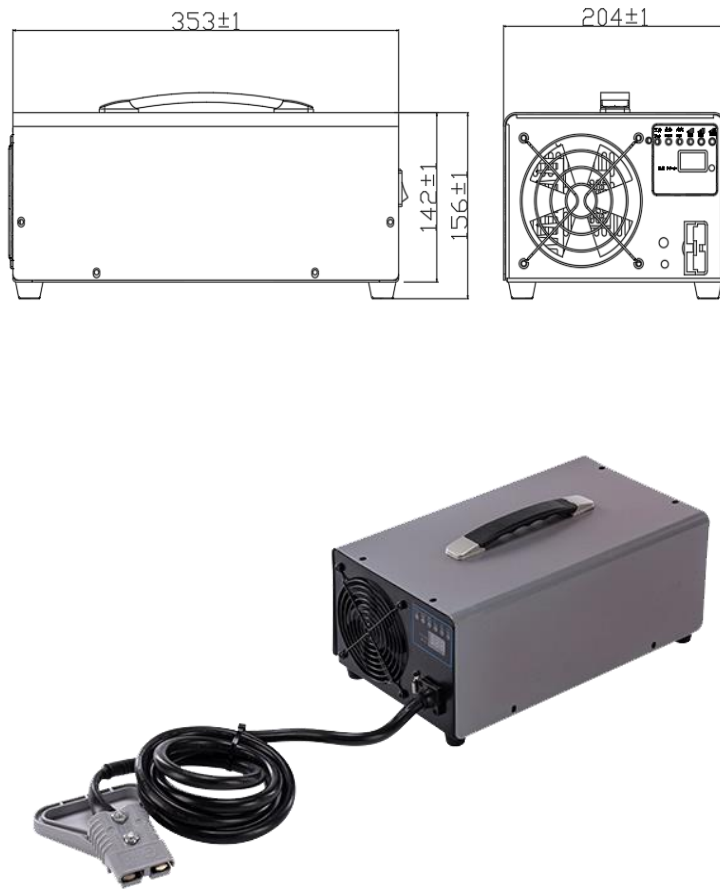
1200W-A	Model	48V20A	60V15A	72V13A
INPUT	AC Voltage	AC220V±15%	AC220V±15%	AC220V±15%
	AC Phase	Single Phase	Single Phase	Single Phase
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	<=8A	<=7.6A	<=7.9A
	Power factor	≥ 0.7	≥ 0.7	≥ 0.7
	Input power	<=1226W	<=1165W	<=1211W
	AC Plug	Industrial / L+N+PE	Industrial / L+N+PE	Industrial / L+N+PE
OUTPUT	Conversion efficiency	≥ 0.9	≥ 0.9	≥ 0.9
	Rated output voltage	57.6V	73V	87.6V
	Rated output current	20A	15A	13A
	Rated output power	1152W	1095W	1139W
	DC output voltage	10Vdc ~ 60Vdc	10Vdc ~ 75Vdc	10Vdc ~ 100Vdc
	Output plug	Anderson SB175	Anderson SB175	Anderson SB175,
COMM	CAN-BUS	Optional	Optional	Optional
	Protocol	Customized	Customized	Customized
OTHER	Battery Type	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	353X204X156(mm)	353X204X156(mm)	353X204X156(mm)
	Weight	6KG	6KG	6KG
	Cooling mode	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP67	IP67	IP67
	IP Rating (Optional)	N/A	N/A	N/A
	Noise	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m

1200W-B Series



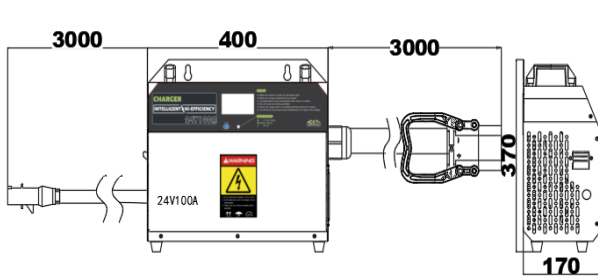
1200W-B	Model	48V20A	60V15A	72V13A
INPUT	AC Voltage	AC220V±15%	AC220V±15%	AC220V±15%
	AC Phase	Single Phase	Single Phase	Single Phase
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	<=8A	<=7.6A	<=7.9A
	Power factor	≥ 0.7	≥ 0.7	≥ 0.7
	Input power	<=1226W	<=1165W	<=1211W
	AC Plug	Industrial / L+N+PE	Industrial / L+N+PE	Industrial / L+N+PE
OUTPUT	Conversion efficiency	≥ 0.9	≥ 0.9	≥ 0.9
	Rated output voltage	57.6V	73V	87.6V
	Rated output current	20A	15A	13A
	Rated output power	1152W	1095W	1139W
	DC output voltage	10Vdc ~ 60Vdc	10Vdc ~ 75Vdc	10Vdc ~ 100Vdc
	Output plug	Anderson SB175, Male or Female plug, optional	Anderson SB175, Male or Female plug, optional	Anderson SB175, Male or Female plug, optional
COMM	CAN-BUS	Optional	Optional	Optional
	Protocol	Customized	Customized	Customized
OTHER	Battery Type	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	353X204X156(mm)	353X204X156(mm)	353X204X156(mm)
	Weight	6KG	6KG	6KG
	Cooling mode	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP55	IP55	IP55
	IP Rating (Optional)	N/A	N/A	N/A
	Noise	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m

1500W-B Series



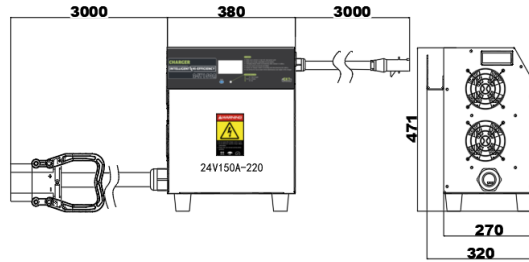
1500W-B	Model	24V40A	24V50A	48V30A	60V30A	72V25A
INPUT	AC Voltage	AC220V±15%	AC220V±15%	AC220V±15%	AC220V±15%	AC220V±15%
	AC Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	≤8A	≤10A	≤12A	≤15.1A	≤15.1A
	Power factor	≥ 0.7	≥ 0.7	≥ 0.7	≥ 0.7	≥ 0.7
	Input power	≤1226W	≤1532W	≤1838W	≤2330W	≤2330W
	AC Plug	Industrial / L+N+PE	Industrial / L+N+PE	Industrial / L+N+PE	Industrial / L+N+PE	Industrial / L+N+PE
OUTPUT	Conversion efficiency	≥ 0.9	≥ 0.9	≥ 0.9	≥ 0.9	≥ 0.9
	Rated output voltage	28.8V	28.8V	57.6V	73V	87.6V
	Rated output current	40A	50A	30A	30A	25A
	Rated output power	1152W	1440W	1728W	2190W	2190W
	DC output voltage	10Vdc ~ 32Vdc	10Vdc ~ 32Vdc	10Vdc ~ 60Vdc	10Vdc ~ 75Vdc	10Vdc ~ 100Vdc
	Output plug	Anderson SB175, Male or Female plug, optional	Anderson SB175, Male or Female plug, optional	Anderson SB175, Male or Female plug, optional	Anderson SB175, Male or Female plug, optional	Anderson SB175, Male or Female plug, optional
COMM	CAN-BUS Protocol	Optional	Optional	Optional	Optional	Optional
		Customized	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	353X204X156(mm)	353X204X156(mm)	353X204X156(mm)	353X204X156(mm)	353X204X156(mm)
	Weight	6KG	6KG	6KG	6KG	6KG
	Cooling mode	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP55	IP55	IP55	IP55	IP55
	IP Rating (Optional)	N/A	N/A	N/A	N/A	N/A
	Noise	<65dB	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m	<2000m

3000W Series



3000W	Model	24V100A	48V50A	36V50A	36V100A	72V35A
INPUT	AC Voltage	AC100-240V	AC100-240V	AC100-240V	AC100-240V	AC100-240V
	AC Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	$\leq 14.6A$	≤ 14.4	10.8	21.6	$\leq 15.3A$
	Power factor	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
	Input power	$\leq 3164W$	$\leq 3164W$	2373	4752	$\leq 3369W$
	AC Plug	L+N+PE	L+N+PE	L+N+PE	L+N+PE	L+N+PE
OUTPUT	Conversion efficiency	≥ 0.91	≥ 0.91	≥ 0.91	≥ 0.91	≥ 0.91
	Rated output voltage	28.8V	57.6V	43.2	43.2	87.6V
	Rated output current	100A	50A	50A	100A	35A
	Rated output power	2880W	2880W	2160	4320	3066W
	DC output voltage	10Vdc ~ 32Vdc	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 100Vdc
	Output plug	Rema160A	Rema80A	Rema80A	Rema80A	Rema80A
	DC output current	100A	50A	50A	100A	35A
COMM	CAN-BUS	Y	Y	Y	Y	Y
	Protocol	Customized	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	400x170x370(mm)	400x170x370(mm)	400x170x370(mm)	400x170x370(mm)	400x170x370(mm)
	Weight	11KG	11KG	11KG	11KG	11KG
	Cooling mode	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP20	IP20	IP20	IP20	IP20
	IP Rating (Optional)	IP54	IP54	IP54	IP54	IP54
	Noise	<65dB	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m	<2000m

6000W-S Series



6000W-S	Model	24V150A	24V200A	48V100V-220	80V65A
INPUT	AC Voltage	AC100-240V	AC100-240V	AC100-240V	AC100-240V
	AC Phase	Single Phase	Single Phase	Single Phase	Single Phase
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	<=24A	<=29A	<=29A	<=29A
	Power factor	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
	Input power	≤ 4.7KW	≤ 6.3KW	≤ 6.3KW	≤ 6.2KW
	AC Plug	L+N+PE	L+N+PE	L+N+PE	L+N+PE
OUTPUT	Conversion efficiency	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92
	Rated output voltage	28.8V	28.8V	57.6V	87.6V
	Rated output current	150A	200A	100A	65A
	Rated output power	4.32KW	5.76KW	5.76KW	5.7KW
	DC output voltage	10Vdc ~ 32Vdc	10Vdc ~ 32Vdc	10Vdc ~ 60Vdc	10Vdc ~ 100Vdc
	Output plug	Rema320A	Rema320A	Rema160A	Rema80A
COMM	CAN-BUS	Y	Y	Y	Y
	Protocol	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lithium	Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	380X320X471(mm)	380X320X471(mm)	380X320X471(mm)	380X320X471(mm)
	Weight	26KG	26KG	26KG	26KG
	Cooling mode	Air cooling	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP20	IP20	IP20	IP20
	IP Rating (Optional)	IP54	IP54	IP54	IP54
	Noise	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m

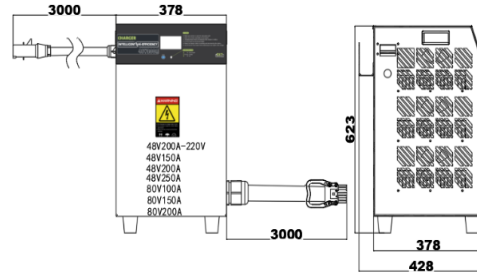
6000W Series

[illegible]

6000W Series

[illegible]

12000W Series



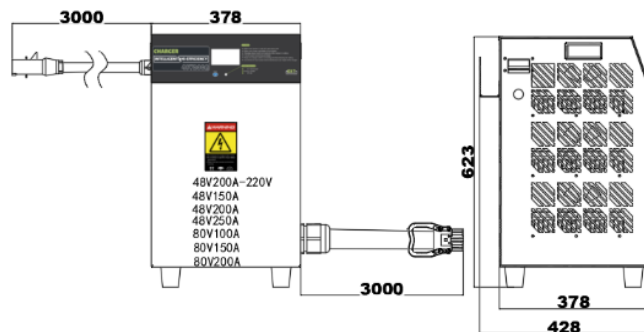
12000W	Model	36V200A	48V100A	48V150A	48V150A	48V200A	48V200A
INPUT	AC Voltage	AC380V±15%	AC220V±15%	AC380V±15%	AC480V±15%	AC380V±15%	AC480V±15%
	AC Phase	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	≤14.3A	≤16.6A	≤14.3A	≤11.3A	≤19A	≤15A
	Power factor	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
	Input power	≤ 9.4KW	≤ 6.3KW	≤ 9.4KW	≤ 9.4KW	≤ 12.5KW	≤ 12.5KW
	AC Plug	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE
OUTPUT	Conversion efficiency	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92
	Rated output voltage	43.2V	57.6V	57.6V	57.6V	57.6V	87.6V
	Rated output current	200A	100A	150A	150A	200A	200A
	Rated output power	8.6KW	5.7KW	8.6KW	8.6KW	11.5KW	11.5KW
	DC output voltage	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 100Vdc
	Output plug	Rema320A	Rema160A	Rema320A	Rema320A	Rema320A	Rema320A
COMM	CAN-BUS	Y	Y	Y	Y	Y	Y
	Protocol	Customized	Customized	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)
	Weight	40KG	40KG	40KG	40KG	40KG	40KG
	Cooling mode	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP20	IP20	IP20	IP20	IP20	IP20
	IP Rating (Optional)	IP54	IP54	IP54	IP54	IP54	IP54
	Noise	<65dB	<65dB	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m	<2000m	<2000m

12000W Series



12000W	Model	80V65A	80V150A	80V150A	115.2V100A	153.6V70A
INPUT	AC Voltage	AC220V±15%	AC380V±15%	AC480V±15%	AC380V±15%	AC380V±15%
	AC Phase	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	<=16.2A	<=22A	<=17.2A	<=21A	<=20A
	Power factor	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
	Input power	≤6.2KW	≤14.3KW	≤14.3KW	≤14.1KW	≤13.2KW
	AC Plug	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE
OUTPUT	Conversion efficiency	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92
	Rated output voltage	87.6V	87.6V	87.6V	129.6V	172.8V
	Rated output current	65A	150A	150A	100A	70A
	Rated output power	5.7KW	13.1KW	13.1KW	13KW	12.1KW
	DC output voltage	10Vdc ~ 100Vdc	10Vdc ~ 100Vdc	10Vdc ~ 100Vdc	10Vdc ~ 132Vdc	10Vdc ~ 176Vdc
	Output plug	Rema160A	Rema320A	Rema320A	Rema160A	Rema160A
COMM	CAN-BUS	Y	Y	Y	Y	Y
	Protocol	Customized	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lithium	Lithium	Lithium	Lithium	Lithium
	Dimension	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)
	Weight	40KG	40KG	40KG	40KG	40KG
	Cooling mode	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP20	IP20	IP20	IP20	IP20
	IP Rating (Optional)	IP54	IP54	IP54	IP54	IP54
	Noise	<65dB	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m	<2000m

18000W Series



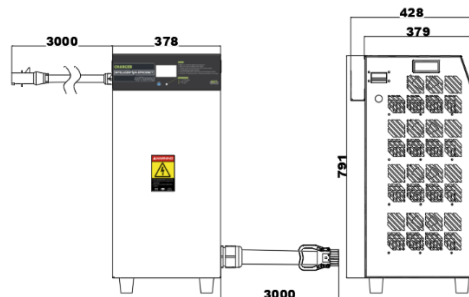
18000W	Model	36V250A	48V150A	48V200A	48V250A	48V250A	80V150A
INPUT	AC Voltage	AC380V±15%	AC220V±15%	AC220V±15%	AC380V±15%	AC480V±15%	AC220V±15%
	AC Phase	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	≤18A	≤25A	≤33.2A	≤24A	≤18.8A	≤37.5A
	Power factor	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
	Input power	≤ 11.7W	≤ 9.4KW	≤ 12.5KW	≤ 15.7KW	≤ 15.7KW	≤ 14.3KW
	AC Plug	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE
OUTPUT	Conversion efficiency	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92
	Rated output voltage	43.2V	57.6V	57.6V	57.6V	57.6V	87.6V
	Rated output current	250A	150A	200A	250A	250A	150A
	Rated output power	10.8KW	8.6KW	11.5KW	14.4KW	14.4KW	13.2KW
	DC output voltage	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 60Vdc	10Vdc ~ 100Vdc
	Output plug	Rema320A	Rema320A	Rema320A	Rema320A	Rema320A	Rema320A
COMM	CAN-BUS	Y	Y	Y	Y	Y	Y
	Protocol	Customized	Customized	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lithium	Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)
	Weight	46KG	46KG	46KG	46KG	46KG	46KG
	Cooling mode	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP20	IP20	IP20	IP20	IP20	IP20
	IP Rating (Optional)	IP54	IP54	IP54	IP54	IP54	IP54
	Noise	<65dB	<65dB	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m	<2000m	<2000m

18000W Series



18000W	Model	80V200A	80V200A	80V200A	96V150A	115.2V150A	153.6V100A
INPUT	AC Voltage	AC220V±15%	AC380V±15%	AC480V±15%	AC380V±15%	AC380V±15%	AC310-450V±15%
	AC Phase	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Currenttt(Max)	≤50A	≤29A	≤23A	≤26.8A	≤32.1A	≤28.5A
	Power factor	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
	Input power	≤ 19KW	≤ 19KW	≤ 19KW	≤17.6KW	≤21.1KW	≤ 18.8KW
	AC Plug	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE
OUTPUT	Conversion efficiency	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92
	Rated output voltage	87.6V	87.6V	87.6V	108V	129.6V	172.8V
	Rated output current	200A	200A	200A	150A	150A	100A
	Rated output power	17.5KW	17.5KW	17.5KW	16.2KW	19.5KW	17.3KW
	DC output voltage	10Vdc ~ 100Vdc	10Vdc ~ 100Vdc	10Vdc ~ 100Vdc	10Vdc ~ 110Vdc	10Vdc ~ 132Vdc	10Vdc ~ 176Vdc
	Output plug	Rema320A	Rema320A	Rema320A	Rema320A	Rema320A	Rema320A
COMM	CAN-BUS	Y	Y	Y	Y	Y	Y
	Protocol	Customized	Customized	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lead-Acid / Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
	Dimension	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)	378X428X623(mm)
	Weight	46KG	46KG	46KG	46KG	46KG	46KG
	Cooling mode	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP20	IP20	IP20	IP20	IP20	IP20
	IP Rating (Optional)	IP54	IP54	IP54	IP54	IP54	IP54
	Noise	<65dB	<65dB	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m	<2000m	<2000m

24000W Series



24000W	Model	48V250A	80V250A	80V250A	80V250A	96V200A	153.6V150A
INPUT	AC Voltage	AC220V±15%	AC220V±15%	AC380V±15%	AC480V±15%	AC380V±15%	AC380V±15%
	AC Phase	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire	Three phase four wire
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Input Currentt(Max)	≤41A	≤63A	≤36.2A	≤28.6A	≤36A	≤42.8A
	Power factor	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
	Input power	≤ 15.6KW	≤ 23.8KW	≤ 23.8KW	≤ 23.8KW	≤ 23.5KW	≤ 28.2KW
	AC Plug	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE	Three Phase + PE
OUTPUT	Conversion efficiency	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92
	Rated output voltage	57.6V	87.6	87.6	87.6	108V	172.8V
	Rated output current	250A	250A	250A	250A	200A	100A
	Rated output power	14.4KW	21.9KW	21.9KW	21.9KW	21.6KW	26KW
	DC output voltage	10Vdc ~ 60Vdc	10Vdc ~ 100Vdc	10Vdc ~ 100Vdc	10Vdc ~ 100Vdc	10Vdc ~ 110Vdc	10Vdc ~ 176Vdc
	Output plug	Rema320A	Rema320A	Rema320A	Rema320A	Rema320A	Rema320A
COMM	CAN-BUS	Y	Y	Y	Y	Y	Y
	Protocol	Customized	Customized	Customized	Customized	Customized	Customized
OTHER	Battery Type	Lithium	Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium	Lead-Acid / Lithium
	Dimension	378X428X791(mm)	378X428X791(mm)	378X428X791(mm)	378X428X791(mm)	378X428X791(mm)	378X428X791(mm)
	Weight	55KG	55KG	55KG	55KG	55KG	55KG
	Cooling mode	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling
	Ambient Temperature	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C	-20° C ~ 50° C
	Working humidity	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%	0% ~ 95%
	IP Rating	IP20	IP20	IP20	IP20	IP20	IP20
	IP Rating (Optional)	IP54	IP54	IP54	IP54	IP54	IP54
	Noise	<65dB	<65dB	<65dB	<65dB	<65dB	<65dB
	Altitude	<2000m	<2000m	<2000m	<2000m	<2000m	<2000m