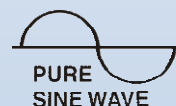


FS Series

FS Pure Sine Wave Inverter

■ Features:

- Pure sine wave output (THD < 3%)
- Input & output completely isolated design
- High efficiency 90-94%
- Capable of driving inductive & Capacitive loads at the start moment.
- Two LED indicator: Power-Green, Fault-Red
- 2 times surge power
- Loading and temperature controlled the cooling fan.
- Built in advanced microprocessor to make friendly interface with user.
- Protection: input low voltage alarm & shutdown, overload, short circuit, input over voltage, over temperature, reverse polarity
- USB output port 5V2.1A
- With Remote controller function /CR80 or CRD80 Remote controller with 5m cable optional
- LCD display function optional
- 3 years quality warranty, technical supporting whole life.



Application



Household Appliance



Marine & RV



Solar System



Office Equipment

Specification

MODEL		FS600-112	FS600-124	FS600-148	FS600-212	FS600-224	FS600-248
Output	AC Voltage	100/110/120VAC			220/230/240VAC		
	Rated Power	600W					
	Surge Power	Load 120~150%(3min.);1200W 3sec;resistive)					
	Waveform	Pure Sine Wave(THD<3%)					
	Frequency	50/60Hz 0.05%					
	AC Regulation	! 5%			! 10%		
	Power Factor Allowed	COS -90!~COS +90!					
	Standard Receptacles	USA/British/Franch/Schuko /UK/Australia/Universal etc. optional					
	LED Indicator	Green for power on, Red for faulty status					
	USB port	5V 2.1A	5V 2.1A	-----	5V 2.1A	5V 2.1A	-----
	LCD display	voltage, power, protection status (optional)					
	Remote control function	default					
	Remote controller	CR80/CRD80 optional					
Input	No Load Current Draw	! 0.60A	! 0.60A	! 0.60A	! 0.60A	! 0.60A	! 0.60A
	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~15VDC	21~30VDC	42~60VDC	10.5~15VDC	21~30VDC	42~60VDC
	Efficiency(Typ.)	89%~93%					
	Fuse	50A"2	25A"2	15A"2	50A"2	25A"2	15A"2
	Remote Control	Function (optional"					
Protection	BAT. Low Alarm	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC
	BAT. Low Shutdown	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC
	Over Load	Shut down output voltage , restart to recover					
	Over Voltage	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC
	Over Temperature	Shut down output voltage , recover automatically after temperature goes down					
	Output Short	Shut down output voltage , restart to recover					
	DC Input Reverse Polarity	By fuse					
	Earth Fault	Shut off o/p when the load has electrical leakage					
	Soft Start	Yes, 3-5 Seconds					
Environment	Working Temp.	0~+50"					
	Working Humidity	20~90%RH non-condensing					
	Storage Temp.&Humidity	-30~+70" ,10~95%RH					
Safety & EMC	Safety Standards	Certified UL 458(only for "GFCI" receptacles)			Certified EN 60950-1; 2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013.		
	Isolation Resistance	I/P-O/P:100M Ohms/500VDC					
	EMI Conduction & Radiation	Certified FCC class A			Certified EN 62040-2:2006,EN61000-3-2; EN61000-3-3;		
	EMS Immunity	-----			Certified IEC61000-4-3, IEC61000-4-6		
	E-MARK	-----			Certified ECE RIO.05:2014		
Others	Dimension(L# W# H)	281.5# 173.6# 103.1mm					
	Packing	2.1kg;6pcs/13.2kg/0.054m#					
	Cooling	Load control fan or by thermal control fan					
	Application	Home and Office appliances,Portable Power Equipment,Vehicle,Yacht and Off-Gid Solar power systems% etc.					

Specification

MODEL		FS1000-112	FS1000-124	FS1000-148	FS1000-212	FS1000-224	FS1000-248
Output	AC Voltage	100/110/120VAC			220/230/240VAC		
	Rated Power	1000W					
	Surge Power	Load 120~150%(3min.);2000W 3sec;resistive)					
	Waveform	Pure Sine Wave(THD<3%)					
	Frequency	50/60Hz 0.05%					
	AC Regulation	! 5%			! 10%		
	Power Factor Allowed	COS -90!~COS +90!					
	Standard Receptacles	USA/British/Franch/Schuko /UK/Australia/Universal etc. optional					
	LED Indicator	Green for power on, red for faulty status					
	USB port	5V 2.1A	5V 2.1A	-----	5V 2.1A	5V 2.1A	-----
	LCD display	voltage, power, protection status (optional)					
	Remote control function	default					
	Remote controller	CR80/CRD80 optional					
	Input	No Load Current Draw	! 0.80A	! 0.70A	! 0.70A	! 0.80A	! 0.70A
DC Voltage		12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Voltage Range		10.5~15VDC	21~30VDC	42~60VDC	10.5~15VDC	21~30VDC	42~60VDC
Efficiency(Typ.)		89%~93%					
Fuse		40A"4	20A"4	10A"4	40A"4	20A"4	10A"4
Remote Control		Function (optional"					
Protection	BAT. Low Alarm	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC
	BAT. Low Shutdown	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC
	Over Load	Shut down output voltage , restart to recover					
	Over Voltage	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC
	Over Temperature	Shut down output voltage , recover automatically after temperature goes down					
	Output Short	Shut down output voltage , restart to recover					
	DC Input Reverse Polarity	By fuse					
	Earth Fault	Shut off o/p when the load has electrical leakage					
	Soft Start	Yes, 3-5 Seconds					
Environment	Working Temp.	0~+50"					
	Working Humidity	20~90%RH non-condensing					
	Storage Temp.&Humidity	-30~+70" ,10~95%RH					
Safety & EMC	Safety Standards	Certified UL 458(only for "GFCI" receptacles)			Certified EN 60950-1; 2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013.		
	Isolation Resistance	I/P-O/P:100M Ohms/500VDC					
	EMI Conduction & Radiation	Certified FCC class A			Certified EN 62040-2:2006,EN61000-3-2; EN61000-3-3;		
	EMS Immunity	-----			Certified IEC61000-4-3, IEC61000-4-6		
	E-MARK	-----			Certified ECE RIO.05:2014		
Others	Dimension(L# W# H)	313.5# 173.6# 103.1mm					
	Packing	2.9kg;4pcs/12.8kg/0.042m#\$					
	Cooling	Load control fan or by thermal control fan					
	Application	Home and Office appliances,Portable Power Equipment,Vehicle,Yacht and Off-Gid Solar power systems% etc.					

Specification

MODEL		FS1500-112	FS1500-124	FS1500-148	FS1500-212	FS1500-224	FS1500-248
Output	AC Voltage	100/110/120VAC			220/230/240VAC		
	Rated Power	1500W					
	Surge Power	Load 120~150%(3min.);3000W 3sec;resistive)					
	Waveform	Pure Sine Wave(THD<3%)					
	Frequency	50/60Hz 0.05%					
	AC Regulation	! 5%			! 10%		
	Power Factor Allowed	COS -90!~COS +90!					
	Standard Receptacles	USA/British/Franch/Schuko /UK/Australia/Universal etc. optional					
	LED Indicator	Green for power on, red for faulty status					
	USB port	5V 2.1A	5V 2.1A	-----	5V 2.1A	5V 2.1A	-----
	LCD display	voltage, power, protection status (optional)					
	Remote control function	default					
	Remote controller	CR80/CRD80 optional					
Input	No Load Current Draw	! 1.1A	! 0.80A	! 0.70A	! 1.1A	! 0.80A	! 0.70A
	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~15VDC	21~30VDC	42~60VDC	10.5~15VDC	21~30VDC	42~60VDC
	Efficiency(Typ.)	89%~93%					
	Fuse	40A"6	20A"6	10A"6	40A"6	20A"6	10A"6
	Remote Control	Function (optional"					
Protection	BAT. Low Alarm	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC
	BAT. Low Shutdown	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC
	Over Load	Shut down output voltage , restart to recover					
	Over Voltage	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC
	Over Temperature	Shut down output voltage , recover automatically after temperature goes down					
	Output Short	Shut down output voltage , restart to recover					
	DC Input Reverse Polarity	By fuse					
	Earth Fault	Shut off o/p when the load has electrical leakage					
	Soft Start	Yes, 3-5 Seconds					
Environment	Working Temp.	0~+50"					
	Working Humidity	20~90%RH non-condensing					
	Storage Temp.&Humidity	-30~+70" ,10~95%RH					
Safety & EMC	Safety Standards	Certified UL 458(only for "GFCI" receptacles)			Certified EN 60950-1; 2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013.		
	Isolation Resistance	I/P-O/P:100M Ohms/500VDC					
	EMI Conduction & Radiation	Certified FCC class A			Certified EN 62040-2:2006,EN61000-3-2; EN61000-3-3;		
	EMS Immunity	-----			Certified IEC61000-4-3, IEC61000-4-6		
	E-MARK	-----			Certified ECE RIO.05:2014		
Others	Dimension(L# W# H)	325.2# 281.3# 112.7mm					
	Packing	5.2kg;2pcs/11.1kg/0.053m#\$\$					
	Cooling	Load control fan or by thermal control fan					
	Application	Home and Office appliances,Portable Power Equipment,Vehicle,Yacht and Off-Gid Solar power systems% etc.					

Specification

MODEL		FS2000-112	FS2000-124	FS2000-148	FS2000-212	FS2000-224	FS2000-248
Output	AC Voltage	100/110/120VAC			220/230/240VAC		
	Rated Power	2000W					
	Surge Power	Load 120~150%(3min.);4000W 3sec;resistive)					
	Waveform	Pure Sine Wave(THD<3%)					
	Frequency	50/60Hz 0.05%					
	AC Regulation	! 5%			! 10%		
	Power Factor Allowed	COS -90!~COS +90!					
	Standard Receptacles	USA/British/Franch/Schuko /UK/Australia/Universal etc. optional					
	LED Indicator	Green for power on, red for faulty status					
	USB port	5V 2.1A	5V 2.1A	-----	5V 2.1A	5V 2.1A	-----
	LCD display	voltage, power, protection status (optional)					
	Remote control function	default					
	Remote controller	CR80/CRD80 optional					
Input	No Load Current Draw	! 1.1A	! 0.80A	! 0.70A	! 1.1A	! 0.80A	! 0.70A
	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~15VDC	21~30VDC	42~60VDC	10.5~15VDC	21~30VDC	42~60VDC
	Efficiency(Typ.)	89%~93%					
	Fuse	40A"8	20A"8	10A"8	40A"8	20A"8	10A"8
	Remote Control	Function (optional"					
Protection	BAT. Low Alarm	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC
	BAT. Low Shutdown	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC
	Over Load	Shut down output voltage , restart to recover					
	Over Voltage	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC
	Over Temperature	Shut down output voltage , recover automatically after temperature goes down					
	Output Short	Shut down output voltage , restart to recover					
	DC Input Reverse Polarity	By fuse					
	Earth Fault	Shut off o/p when the load has electrical leakage					
	Soft Start	Yes, 3-5 Seconds					
Environment	Working Temp.	0~+50"					
	Working Humidity	20~90%RH non-condensing					
	Storage Temp.&Humidity	-30~+70" ,10~95%RH					
Safety & EMC	Safety Standards	Certified UL 458(only for "GFCI" receptacles)			Certified EN 60950-1; 2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013.		
	Isolation Resistance	I/P-O/P:100M Ohms/500VDC					
	EMI Conduction & Radiation	Certified FCC class A			Certified EN 62040-2:2006,EN61000-3-2; EN61000-3-3;		
	EMS Immunity	-----			Certified IEC61000-4-3, IEC61000-4-6		
	E-MARK	-----			Certified ECE RIO.05:2014		
Others	Dimension(L# W# H)	325.2# 281.3# 112.7mm					
	Packing	5.5kg;2pcs/11.8kg/0.053m#					
	Cooling	Load control fan or by thermal control fan					
	Application	Home and Office appliances,Portable Power Equipment,Vehicle,Yacht and Off-Gid Solar power systems% etc.					

Specification

MODEL		FS2500-112	FS2500-124	FS2500-148	FS2500-212	FS2500-224	FS2500-248
Output	AC Voltage	100/110/120VAC			220/230/240VAC		
	Rated Power	2500W					
	Surge Power	Load 120~150%(3min.);5000W 3sec;resistive)					
	Waveform	Pure Sine Wave(THD<3%)					
	Frequency	50/60Hz 0.05%					
	AC Regulation	! 5%			! 10%		
	Power Factor Allowed	COS -90!~COS +90!					
	Standard Receptacles	USA/British/Franch/Schuko /UK/Australia/Universal etc. optional					
	LED Indicator	Green for power on, red for faulty status					
	USB port	5V 2.1A	5V 2.1A	-----	5V 2.1A	5V 2.1A	-----
	LCD display	voltage, power, protection status (optional)					
	Remote control function	default					
	Remote controller	CR80/CRD80 optional					
Input	No Load Current Draw	! 1. 2A	! 0.80A	! 0.70A	! 1.2A	! 0.80A	! 0.70A
	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~15VDC	21~30VDC	42~60VDC	10.5~15VDC	21~30VDC	42~60VDC
	Efficiency(Typ.)	89%~93%					
	Fuse	40A" 10	20A" 10	10A" 10	40A" 10	20A" 10	10A" 10
	Remote Control	Function (optional"					
Protection	BAT. Low Alarm	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC
	BAT. Low Shutdown	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC
	Over Load	Shut down output voltage , restart to recover					
	Over Voltage	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC
	Over Temperature	Shut down output voltage , recover automatically after temperature goes down					
	Output Short	Shut down output voltage , restart to recover					
	DC Input Reverse Polarity	By fuse					
	Earth Fault	Shut off o/p when the load has electrical leakage					
	Soft Start	Yes, 3-5 Seconds					
Environment	Working Temp.	0~+50"					
	Working Humidity	20~90%RH non-condensing					
	Storage Temp.&Humidity	-30~+70" ,10~95%RH					
Safety & EMC	Safety Standards	Certified UL 458(only for "GFCI" receptacles)			Certified EN 60950-1; 2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013.		
	Isolation Resistance	I/P-O/P:100M Ohms/500VDC					
	EMI Conduction & Radiation	Certified FCC class A			Certified EN 62040-2:2006,EN61000-3-2; EN61000-3-3;		
	EMS Immunity	-----			Certified IEC61000-4-3, IEC61000-4-6		
	E-MARK	-----			Certified ECE RIO.05:2014		
Others	Dimension(L# W# H)	442.2# 261.3# 112.7mm					
	Packing	7.3kg;2pcs/15.5kg/0.07m#					
	Cooling	Load control fan or by thermal control fan					
	Application	Home and Office appliances,Portable Power Equipment,Vehicle,Yacht and Off-Gid Solar power systems% etc.					

Specification

MODEL		FS3000-112	FS3000-124	FS3000-148	FS3000-212	FS3000-224	FS3000-248
Output	AC Voltage	100/110/120VAC			220/230/240VAC		
	Rated Power	3000W					
	Surge Power	Load 120~150%(3min.);6000W 3sec;resistive)					
	Waveform	Pure Sine Wave(THD<3%)					
	Frequency	50/60Hz 0.05%					
	AC Regulation	! 5%			! 10%		
	Power Factor Allowed	COS -90!~COS +90!					
	Standard Receptacles	USA/British/Franch/Schuko /UK/Australia/Universal etc. optional					
	LED Indicator	Green for power on, red for faulty status					
	USB port	5V 2.1A	5V 2.1A	-----	5V2.1A	5V 2.1A	-----
	LCD display	voltage, power, protection status (optional)					
	Remote control function	default					
	Remote controller	CR80/CRD80 optional					
Input	No Load Current Draw	! 1. 2A	! 0.80A	! 0.70A	! 1.2A	! 0.80A	! 0.70A
	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~15VDC	21~30VDC	42~60VDC	10.5~15VDC	21~30VDC	42~60VDC
	Efficiency(Typ.)	89%~93%					
	Fuse	40A" 12	20A" 12	10A" 12	40A" 12	20A" 12	10A" 12
	Remote Control	Function (optional"					
Protection	BAT. Low Alarm	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC	10.5! 0.5VDC	21! 1.0VDC	42! 2.0VDC
	BAT. Low Shutdown	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC	10! 0.5VDC	20! 1.0VDC	40! 2.0VDC
	Over Load	Shut down output voltage , restart to recover					
	Over Voltage	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC	15.5! 0.5VDC	31! 1.0VDC	62! 2.0VDC
	Over Temperature	Shut down output voltage , recover automatically after temperature goes down					
	Output Short	Shut down output voltage , restart to recover					
	DC Input Reverse Polarity	By fuse					
	Earth Fault	Shut off o/p when the load has electrical leakage					
	Soft Start	Yes, 3-5 Seconds					
Environment	Working Temp.	0~+50"					
	Working Humidity	20~90%RH non-condensing					
	Storage Temp.&Humidity	-30~+70" ,10~95%RH					
Safety & EMC	Safety Standards	Certified UL 458(only for "GFCI" receptacles)			Certified EN 60950-1; 2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013.		
	Isolation Resistance	I/P-O/P:100M Ohms/500VDC					
	EMI Conduction & Radiation	Certified FCC class A			Certified EN 62040-2:2006,EN61000-3-2; EN61000-3-3;		
	EMS Immunity	-----			Certified IEC61000-4-3, IEC61000-4-6		
	E-MARK	-----			Certified ECE RIO.05:2014		
Others	Dimension(L# W# H)	442.2# 261.3# 112.7mm					
	Packing	\$ 8kg;2pcs/17kg/0.07m#					
	Cooling	Load control fan or by thermal control fan					
	Application	Home and Office appliances,Portable Power Equipment,Vehicle,Yacht and Off-Gid Solar power systems% etc.					

Specification

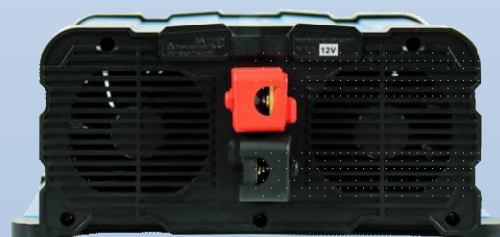
MODEL		-----	-----	-----	FS4000-212	FS4000-224	-----
Output	AC Voltage	-----			220/230/240VAC		
	Rated Power	4000W					
	Surge Power	Load 120~150%(3min.);8000W 3sec;resistive)					
	Waveform	Pure Sine Wave(THD<3%)					
	Frequency	50/60Hz 0.05%					
	AC Regulation	-----			! 10%		
	Power Factor Allowed	COS -90!~COS +90!					
	Standard Receptacles	USA/British/Franch/Schuko /UK/Australia/Universal etc. optional					
	LED Indicator	Green for power on, red for faulty status					
	USB port	-----	-----	-----	5V 500mA	5V 500mA	-----
	LCD display	voltage, power, protection status (optional)					
	Remote control function	default					
	Remote controller	CR80/CRD80 optional					
	Input	No Load Current Draw	-----	-----	-----	! 1.4A	! 1.0A
DC Voltage		-----	-----	-----	12VDC	24VDC	-----
Voltage Range		-----	-----	-----	10.5~15VDC	21~30VDC	-----
Efficiency(Typ.)		89%~93%					
Fuse		-----	-----	-----	40A" 14	20A" 14	-----
Remote Control		Function (optional"					
Protection	BAT. Low Alarm	-----	-----	-----	10.5! 0.5VDC	21! 1.0VDC	-----
	BAT. Low Shutdown	-----	-----	-----	10! 0.5VDC	20! 1.0VDC	-----
	Over Load	Shut down output voltage , restart to recover					
	Over Voltage	-----	-----	-----	15.5! 0.5VDC	31! 1.0VDC	-----
	Over Temperature	Shut down output voltage , recover automatically after temperature goes down					
	Output Short	Shut down output voltage , restart to recover					
	DC Input Reverse Polarity	By fuse					
	Earth Fault	Shut off o/p when the load has electrical leakage					
	Soft Start	Yes, 3-5 Seconds					
Environment	Working Temp.	0~+50"					
	Working Humidity	20~90%RH non-condensing					
	Storage Temp.&Humidity	-30~+70" ,10~95%RH					
Safety & EMC	Safety Standards	-----			Certified EN 60950-1; 2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013.		
	Isolation Resistance	I/P-O/P:100M Ohms/500VDC					
	EMI Conduction & Radiation	-----			Certified EN 62040-2:2006,EN61000-3-2; EN61000-3-3;		
	EMS Immunity	-----			Certified IEC61000-4-3, IEC61000-4-6		
	E-MARK	-----			Certified ECE RIO.05:2014		
Others	Dimension(L# W# H)	533.2# 261.3# 112.7mm					
	Packing	\$ 8.5kg;2pcs/18kg/0.08m#					
	Cooling	Load control fan or by thermal control fan					
	Application	Home and Office appliances,Portable Power Equipment,Vehicle,Yacht and Off-Gid Solar power systems% etc.					

Product Description

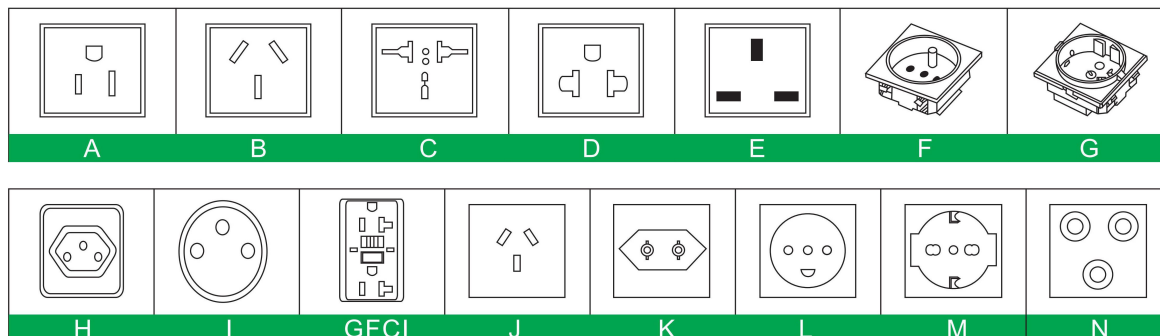
FS600-1200



FS1500-4000



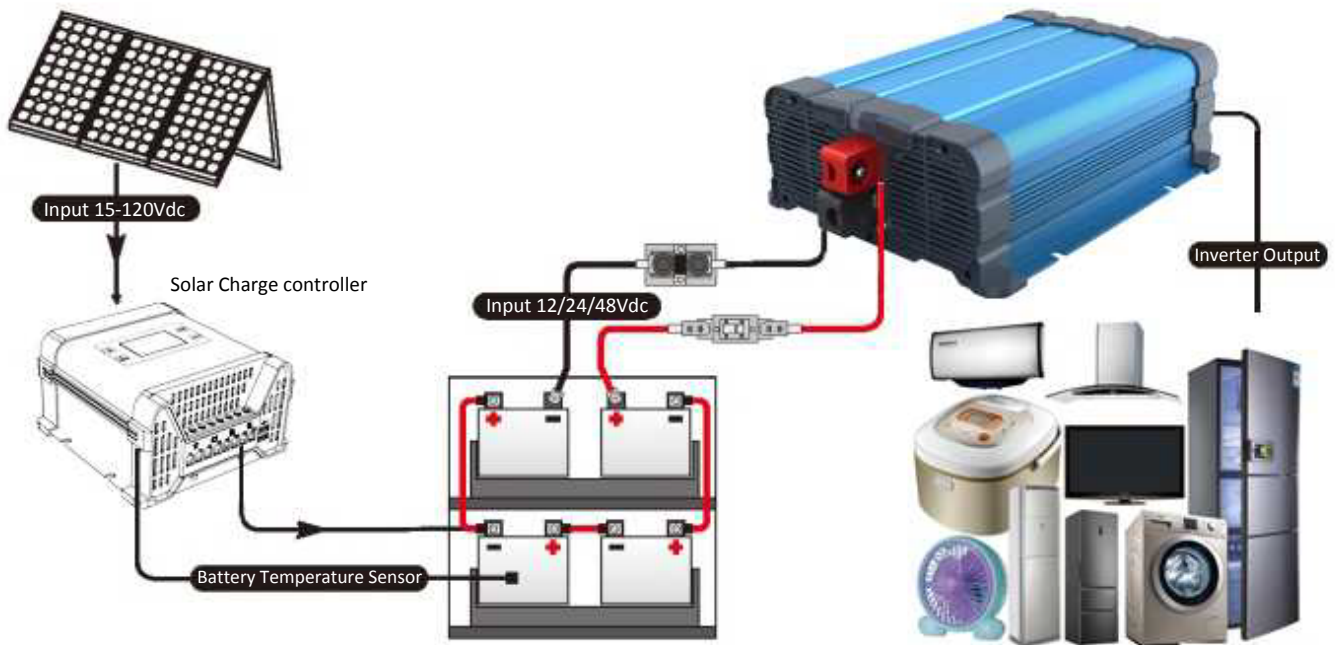
Socket type



Application



Wiring



Battery Energy Storage System

