LIV FAST SOLAR





Livfast Batteries Private Limited Plot No.221, Udyog Vihar, Phase-1, Gurgaon-122016, Haryana, India. www.livfast.in

BIJLI KE BILL PE 100% TAK SAVINGS



*Terms and Conditions as applicable to 5 kW GIH Solution with Net Metering. For Details, visit www.livfastsolar.com.



LivfastSolar.com • 7777 8888 92

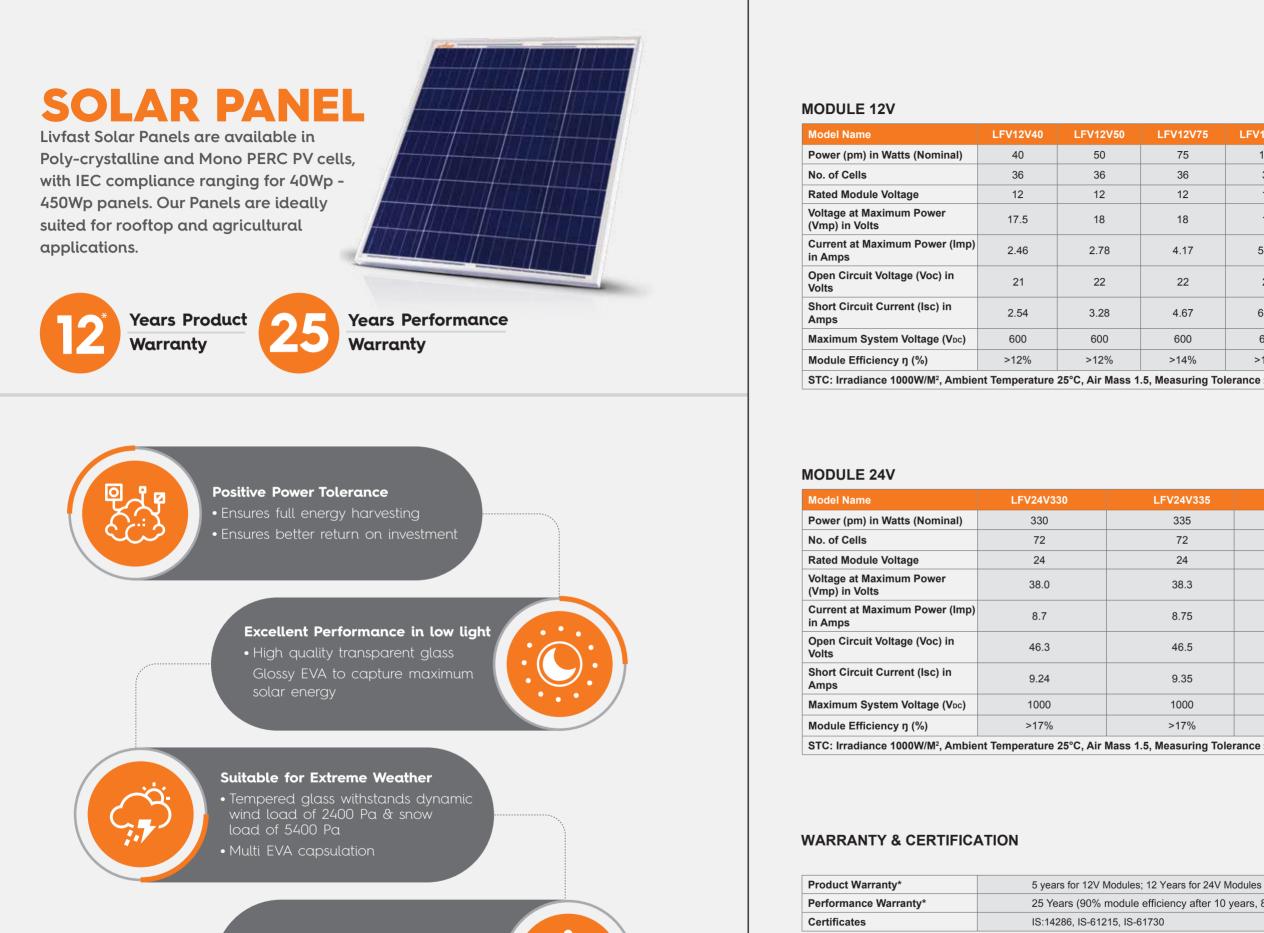


Livfast is the leading power specialist in India with a widespread portfolio of Power back up solutions such as Automotive Batteries, Inverters, Inverter Batteries, Solar Applications. We listen and understand the needs of the consumers and answer these needs in form of our products. We, at Livfast strive to be constantly innovating to make lives across the country easier for our consumers.





PRODUCT RANGE



PID

FREE

*Refer solar module warranty card document

Technical Parameters are subject to change without any prior notice

Potential-Induced Degradation (PID) Resistance Technology

• For longer life and lower degradation

LFV12V75	LFV12V100	LFV12VS150	LFV12V180M				
75	100	150	180				
36	36	32	32				
12	12	12	12				
18	18	16.9	18.01				
4.17	5.66	8.9	9.99				
22	22	21.6	22.12				
4.67	6.06	9.2	10.37				
600	600	1000	1000				
>14%	>14%	>16%	>18%				
Measuring Tol	Measuring Tolerance ± 3%						

LFV24V335	LFV24V400M	LFV24V450M			
335	400	450			
72	72	144			
24	24	24			
38.3	41.2	41.6			
8.75	9.72	10.82			
46.5	49.79	49.0			
9.35	10.31	11.77			
1000	1500	1500			
>17%	>20%	>20%			
Measuring Tolerance ± 3%					

25 Years (90% module efficiency after 10 years, 80% module efficiency after 25 years)

SOLAR MANAGEMENT UNIT Livfast Solar Management Unit (SMU)

converts any existing inverter into solar system. It has in-built intelligence to maximize use of solar energy and is ideal for inverter upto 48 V batteries.



Years Product Warranty

LCD

Auto bypass during fault

LCD Display

- LCD Display

Maximize Solar Yield

3 Stage Intelligent Battery Charge Profile

• Designed to track the battery charging

Protections

- & polarity protection

SOLAR MANAGEMENT UNIT

Model Name	LFSMU	122430	LFSMU 24-4850		
Solar Management Unit Rating	12/24V @ 30A		24V @ 50A	36V @ 50A	48V@ 50A
Technology		1	Micro Controller Un		
Туре		:	Series Regulator Common Positive		
System Voltage	12V 24V		24V	36V	48V
Setting	Auto S	ensing		Settable (Default 4	BV)
Maximum Solar Panel (Wp)	500W	V 1000W 1800W 3600W			600W
Maximum Solar Panel Voltage	50	0V 90V			

BATTERY SETTINGS

Pulk Voltaga	Range	13.9 - 15.9V	27.9 - 31.8V	41.7 - 47.7V	55.6 - 63.6V
Bulk Voltage Default		14.2V	28.4V	42.6V	56.8V
Elect Voltage	Range	13.3 - 14.1V	26.6 - 28.2V	39.9 - 42.3V	53.2 - 56.4V
Float Voltage Default		13.5V	27V	40.5V	54V
Low Battery	<u>`</u>	10.5 ± 0.2V	21 ± 0.2V	31.5 ± 0.2V	42 ± 0.2V

LOAD CONTROLLER

Grid Disconnect from Inverter (Voltage)	After Battery goes to Bulk Charge Mode & PV Energy Available					
Grid Pa connect to Invertor (Voltage)	12.7V Default Setting	25.4V Default Setting	25.4V Default Setting	38.1V Default Setting	50.8V Default Setting	
	Settable Range:	Settable Range:	Settable Range:	Settable Range:	Settable Range:	
	11.4 - 13.3V	22.8 - 26.6V	22.8 - 26.6V	34.2 - 39.9V	45.6 - 53.2V	

PROTECTIONS & USER INTERFACE

Protection		Reverse Polarity for PV/Battery, Short Circuit, Battery Overcharge & Deep Discharge				
LED Indiantiana		Faults: Battery Low & High, Reverse Current, Panel Charging Over Current				
	LED Indications	Battery Charging Status				
	er Interface	PV Current/Voltage				
User interface		Battery Current/Voltage				
	LCD Display	Faults: Battery Low & High, Reverse Current, Charging Over Current				
		KWh Generated from Solar				

GENERAL

Operating Temperature	0°C to 50°C				
Dimensions (LxWxH) MM	205 x 113 x70 264 x 183 x 90				
Weight (Kg)	0.8 1.57				

Technical Parameters are Subject to Change Without Any Prior Notice

SOLAR CHARGE CONTROLLER

Livfast Solar Charge Controller is an advanced micro controller unit based on PWM technology. The charging process has been optimized for longer battery life and improved system efficiency.

> Years Product Warranty

> > Increase Battery Life /Gravity Builder

- Designed to remove sulphate build up
- A high equalizing charged battery

Automatic Voltage Selection

- Auto battery selection upto 20A
- Settable battery selection for 504



USB Port

- USB Port available for mobile charging
- For 20A plug in your DC devices such as fans and lights

Protections

- In-built short circuit, reverse current
- & polarity protection
- No risk of electric shocks



Model Name	LFSCC 122410	LFSCC 122420	LFSCC 24-4850		
Charge Controller Rating (Amp.)	12/24V @ 10A	12/24V @ 20A	24V @ 50A	36V@ 50A	48V@ 50A
Technology	Micro Controller Unit Based PWM				
Туре	Series Regulator Common Positive				
System Voltage	12 / 24 V 24 / 36 / 48V				
Setting	Auto Se	ensing	Settable (Default 48 V)		
Maximum Solar Panel (Wp)	12V @ 160W 12V @ 335W 24V @ 335W 24V @ 600W		1800W 3600 W		
Maximum Solar Panel Voltage	60	V	90V		

BATTERY SETTINGS

Voltage	12V	24V	24V	36V	48V
Bulk Voltage (V)	14.2V	28.4	27.8V - 31.8V	41.7V - 47.7V	55.6V - 63.6V
Default Voltage (Bulk)	14.20	28.4V		42.6V	56.8V
Float Voltage (V)	10.5	27V	26.6V - 28.2V	39.9V - 42.3V	53.2V - 56.4V
Default Voltage (Float)	13.5	27	7V	40.5V	54V
Low Battery (V)	10.5V ± 0.2V	21.0V ± 0.2V		31.5V ± 0.2V	42.0V ± 0.2V

PROTECTIONS & USER INTERFACE

Protection		Reverse Polarity (Panel/battery), Short Circuit, Battery Overcharge & Deep Discharge				
Display & Indications		LED	LED & LCD			
	LED Indications	Faults: Battery Low & High, Reverse	Current, Panel Charging Over Current			
LED Indications		Battery Charging Status				
		Solar PV power				
User			Battery Voltage			
Interface			Charging Mode			
	LCD Display	NA	Load On/Off			
			 Faults: Battery Low & High, Reverse Current, Charging Over Current 			
			Charging Status			

GENERAL

Operating Temperature	0°C to 50°C				
Dimensions (LxWxH) MM	112 x 125 x 25 125 x 100 x 45 264 x 183 x 90				
Net Weight (Kg)	0.32	1.48			

Technical Parameters are subject to change without any prior notice

SOLAR UPS

Livfast Solar Hybrid UPS provides power from solar battery and grid as per the load profile. It has the highest rated solar charge controller which extracts maximum power from solar modules and reduces electricity bills.

Years Product

Warranty



LCD

 $\mathcal{N}(\mathcal{C})$

solar energy utilization. • Optimized solar energy utilization

Fast Battery Charging

Safety & Protection

• Over voltage/current protection

User Friendly LCD Display

UPS Mode

Pure Sine Wave

• Noiseless operations & long life

SOLAR UPS

Model Name	LFS SO1150	LFS SO1850	LFS SO2250		
System Rating	900VA	1500VA	2000VA		
Nominal Battery Voltage (Vdc)	12V	24V			
Ouput Waveform	Pure Sine Wave				
Switching Element	MOSFET				

SOLAR PV INPUT

Technology	PWM			
Charge Controller Rating (Amps.)	50A			
Maximum Solar Panel (Wp)	900 Wp 1800 Wp			
Input Voltage Range (Vmp)	17.5V 40V			
Maximum Input Voltage (Voc)	22V 50V			

Grid Input

Input Supply	Single Phase - 230V, 50Hz
Operating Voltage Range (Normal Mode)	90V - 290V
Operating Voltage Range (UPS Mode)	180V - 260V

Output

No Load Output	
Output Frequency Battery Mode	
No Load Current (UPS Switch Off)	≤ 180r

Battery

Battery Charging through Mains + Solar	Mains - 17A	Solar - 50A		
Battery Charging through Solar (Default)	40A			
Low Battery Indication	11.1 ± 0.2V			
Low Battery Trip	10.8 ± 0.2V			
Solar Optimization after Battery is Fully Charged	If Solar is Available - then Load is Handled by Battery & Solar			

Overload, Protection, LCD Display & User Interface

Overload Shutdown Indication	Display Overload & Alarm		
Overload Pre-alarm Indication	Display Overload with Load% & Alarm		
Overload Capacity	110% Load Running at 3 sec		
Protection	Thermal Trip, Over load with %, Short Circuit, Battery Low, PV Reverse, Fuse Trip		
LCD Display	Mains Voltage/Output Voltage, Battery Voltage, Load (%), Battery Low, Solar KWh Solar Current on Load, Solar Charging Current, Overload with (%), PV Reverse, Short Circuit		
User Interface	Battery Boost Voltage, Battery Low Cut Voltage, Max. Grid Charging Current, Max. Solar Charging Current		

General

Operating Temperature	0°C to 50°C				
Dimensions (LxWxH) MM	295 x 330 x 170 363 x 398 x 251 365 x 400 x 250				
Net Weight (Kg)	10	15	16.5		

Technical Parameters are Subject to Change Without Any Prior Notice

	225 ± 7V	
	50 ± 1Hz	
mA		≤ 200mA

PWM POWER CONDITIONING UNIT

Livfast Solar Hybrid PCUs are high capacity, high efficiency solar UPS that runs both on solar & utility (grid) power supply. It has an in-build solar charge controller which extracts maximum power from solar modules to power your appliances & battery charging.

LCD





Years Product

Warranty

Real Time Clock (RTC) Technology

&

LED Display

- solar energy utilization.
- Optimized solar energy utilization based• on localized power situation

Fast Battery Charging

• In-built 50/70 Amp solar charge controller that charges the



Safety & Protection

• In-built human, panel,

User Friendly LCD Display

status including solar generation

LCD

UPS Mode

Pure Sine Wave

• Noiseless operations & long life of electrical appliances

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PWM POWER CONDITIONING UNIT

Model Name	LFS SOR3500	LFS SOR5048	LFS SOR7500	LFS SOR10000
System Rating	3.5 KVA	5 KVA	7.5 KVA	10 KVA
Nominal Battery Voltage (Vdc)	48V	48V	120V	120V
Ouput Waveform	Pure Sine Wave			
Switching Element	MOSFET			

SOLAR PV INPUT

Technology	PWM			
Charge Controller Rating (Amps.)	50 A 70 A 50 A 70 A			
Maximum Solar Panel (Wp)	3400W	5600W	8500W	11900W
Maximum Input Voltage (Vmp)	82.4	82.4	188	188
Maximum Input Voltage (Voc)	100	100	230	230

GRID INPUT

Input Supply	Single Phase - 230 V; 50 Hz			
Nominal Voltage Range	100 - 280V			
Nominal Frequency Range	45 - 55Hz			

OUTPUT

Nominal Output (Vac)	220V ± 7V			
Nominal Frequency	50Hz ± 1Hz			
Nominal Output Current (A)	12.5Amp. 17.5Amp. 27Amp. 35Amp.			
UPS Efficiency	≥ 80%		≥ 85%	

BATTERY

Battery Recharge Current Range from Grid Side (A)	5 - 18A 5 - 16A		5 - 20A
Default Value Battery Recharge Current Range from Grid Side (A)	18A	16A	20A
Battery Recharge Current Range from PV Side (A)	5 - 50A		

PROTECTION, USER INTERFACE & SETTING

Protection	Thermal Trip, Over load with %, Short Circuit, Battery Low, PV Reverse, MCB Trip
LCD Display	Mains on/off/cut, Mains Voltage, Battery Voltage, Battery Charging/Charged, Mode: UPS/Normal Load (%), Solar On/Off, Solar to Load (A), Solar to Battery (A)
Indications	Inverter: On/Off, Charging: high/low, Mode: UPS/Normal, Mode: Hybrid
User Setting	Battery Boost Voltage, Battery Low Cut Voltage, Max. Grid Charging Current, Max. Solar Charging Current
ENVIRONMENT	

IP Protection Level	IP-20
Operating Temperature (°C)	0 to + 55°C
Max Relative Humidity @ 25°C	0-95%
Max. Altitude above Sea Level without De-rating (M)	≤1000 m

PHYSICAL

Dimension (W x D x H) in mm	370 x 400 x 320	370 x 510 x 550	370 x 530 x 620	370 x 530 x 620
Net Weight (Kg)	28.97	43.79	64.57	67.28
Gross Weight (Kg)	31.3	46.5	69.6	70.8

Technical Parameters are subject to change without any prior notice

MPPT POWER CONDITIONING UNIT





Livfast Solar Hybrid MPPT HKVA Inverters are high capacity, enhanced efficiency solar PCU that runs both on solar & utility (grid) power supply. It comes with Priority Mode (ECO/GRID/NONSOLAR) feature for maximizing savings and extended backup. Advanced MPPT algorithm extracts maximum power from PV modules to both run your appliances and charge your batteries.

FEATURES









MPPT POWER CONDITIONING UNIT

Model No.	LFS SO3048M	LFS SO5048M	LFS SO7500M	LFS SO10000M	LFS SO15000
Product Specification Range of MPPT Solar PCU	3KVA/48V	5KVA/48V	7.5KVA/96V	10KVA/120V	15KVA/240V
Mains Input Mode					
Mains AC Low Cut (UPS Mode)	180	± 5V		170 ± 5V	
Mains AC Low Cut Recovery (UPS Mode)		9-12V Hys	terisis from > Low	v Cut Voltage	
Mains AC High Cut (UPS Mode)	260	± 5V		270 ± 5V	
Mains AC High Cut Recovery (UPS Mode)		9-12V Hys	terisis from < High	Cut Voltage	
Mains AC Low Cut (Wide Range Mode)	120	± 5V		170 ± 5V	
Mains AC Low Cut Recovery (Wide range Mode)		9-12V H	lysterisis > Low C	ut Voltage	
Mains AC High Cut (Wide Range Mode)	280	± 5V		270 ± 5V	
Mains AC High Cut Recovery (Wide Range Mode)		9-12V H	ysterisis < High C	ut Voltage	
Input Frequency Range			50 ± 5% Hz		
Output voltage in Mains mode		ç	Same as Mains Inp	out	
Output frequency in Mains mode		ç	Same as Mains Inp	out	
Battery					
•			TUBULAR		
Battery Type			VRLA		
			FLAT PLATE		
DC Input Voltage (Nominal)	48V	48V	96V	120V	240V
Battery Quantity (12V 100Ah to 220Ah)	4	4	8	10	20
Float Charging Voltage (Tubular/VRLA/Flat Plate)		13.2/13	.5/13.4 (per Batter	ry)±.5V	
Boost Charging Voltage(Tubular/VRLA/Flat Plate)			.8/13.7 (per Batte		
Boost Charging Voltage Range for Tubular and SMF Battery			Provided Above	3 /	
Bulk Absorption Battery Voltage			Same as Above		
Battery Deep Discharge Recovery			YES		
Charging Current By Grid	20.0 ± 1.0A	30.0 ± 1.0A	25.0 ± 1.0A	35.0 ± 1.0A	30.0 ± 1.0A
Charging Current By PV	20.0 1 1.0/1	00.0 1 1.0/1	Provided Above		00.0 ± 1.0/(
Backup Mode			T TOMACA ABOVE		
Output Voltage			230 ± 2% V		
Output Frequency	50 ± 0.5 Hz				
Output Waveform		Sloop Me	PURE SINE WAV		
No Load Current (Switch OFF)	Sleep Mode is not Provided Currently				
Discharging Current @ Full Load	10.5 A± 1 Amp. 17.5 A± 1 Amp. 26 A± 1 Amp. 35 A± 1 Amp. 52 A± 1 Amp.				
Low Battery Warning			V (per Battery) ±		
Low Battery Cut			3V (per Battery) ±		
Change Over Time From Mains To Inverter (Unregulated Mode)		msec		≤ 25 msec	
Change Over Time From Inverter To Mains (Unregulated Mode)		msec	≤ 25 msec		
Change Over Time From Mains To Inverter (UPS Mode)		msec	≤ 25 msec		
Change Over Time From Without Inverter To Mains (UPS Mode)	≤ 20	msec	≤ 25 msec		
Cooling		FOR	CED COOLING B	SY FAN	
Protections					
Overload in Backup Mode			YES		
Short Circuit in Backup Mode			YES		
Short Circuit in Mains Mode			Mains MCB Trip)	
Backfeed			YES		
Over Temperature			YES		
Reverse Battery			YES		
Phase to Phase Protection in Mains Mode			YES		
Solar Charge Controller					
Solar Charge Controller Type			MPPT		
Max Panel Wattage That Can Be Connected	3300W	5500W	8250W	11000W	16500W
Max No. of (@325 Wp) Panels Connected (S:Series, P: Parallel)	S: 3, P: 3	S: 4, P: 4	S: 7, P: 4	S: 7, P: 5	S:12,P:4
Min No. of (@325 Wp) Panels Connected (S:Series, P: Parallel)	S: 3, P: 1	S: 3, P: 3	S: 5, P: 1	S: 5, P: 2	S:10,P:1
No. of Input Channel	1	1	1	1	1
Max. input Current per Channel (Maximum Isc)	(30 ± 1)A	(50 ± 1)A	(50 ± 1)A	(57 ± 1)A	(57 ± 1)A
	(190 ± 5)V		(320 ± 5)V		(700 ±5)V
Maximum PV Voltage Voc	(190	± 5)V	(320	± 5)V	(700 ±3)v
Maximum PV Voltage Voc Minimum PV Voltage Vmp		± 5)V)V		± 5)v 5V	350V

MPPT POWER CONDITIONING UNIT

Solar Charge Controller						
Maximum Battery Current		60A	100A	75A	80A	60A
MPPT Charger Efficiency (Peak)		94% 95%				
Reverse PV Protection		YES				
Reverse Current Flow to PV		NO				
Switching Element(MPPT Charger)				IGBT		
DOD (Depth of Discharge)			As per ba	ttery voltage settin	g (1.8V/cell)	
Display and Alarms		1				
			1. B	attery Voltage & C	urrent	
			2.	PV Voltage & Cur	rent	
			3. PV Power, To	otal Generation &	Today's Genration	
			4. Ma	ains Voltage & Fre	quency	
LCD Display Parameters		5	. Load Voltage, Cu	Irrent & Frequency	(Inverter Mode O	nly)
				6. Load Power	·	
			7. Battrey	Charging/Discha	rging Status	
				8. Time & Date		
		9. User Settings & Factory Settings				
				i) Overload		
				ii) Short Circuit		
		iii) Battery & PV Reversew Polarity				
		iv) Battrey Over/Under Voltage				
LCD Fault/Protection Status Display		v) Battery Current Limit				
		vi) Mains Over/Under Voltage				
		vii) System Over Temprature				
		viii) Grid/Load/PV Surge Protection(MOV)				
Buzzer				YES		
Safety		I				
HV Test Input to Earth				YES		
HV Test Output to Earth		YES				
IR Test Input to Earth		YES				
IR Test Output to Earth		YES				
Environment						
Operating Temperature				0°C to 50°C		
Storage Temperature		10°C to 70°C				
Operating Relative Humidity		5-95% (Non-condensed)				
Dimensions		<u> </u>				
Dimensions in mm (LXWXH)		335X295X415	448.5X275X611	650X400X753.5	650X400X753.5	650X450X753.5
Box Dimensions in mm (LXWXH)		680X345X510	680X345X510	835X495X800	835X495X800	835X565X800
	Net Weight	31.0Kg	52.95Kg	97.5Kg	104.35Kg	138.40Kg
Weight in Kg	Gross Weight	33.5Kg	55.55Kg	109.85Kg	116.70Kg	153.45Kg
NOTE: Specifications are subject to change with	out prior notice					



8 to 10 Months

SOLAR BATTERY

		Battery Weight		Ov	erall Dimen	sion	Free	Pro Rata
Model Name	Nominal Voltage (V)	Capacity @ C10 (Ah)	with Acid ± 3% (Kg)	Length ± 3 mm	width ± 3 mm	Height ± 3 mm	Replacement (Months)	Warranty (Months)
LFS340L	12	40	23.4	410	175	235	0 - 36	-
LFS375L	12	75	30.1	410	175	271	0 - 36	-
LFS5100H	12	100	52.3	505	188	410	0 - 60	-
LFS5135H	12	135	55.7	505	188	410	0 - 60	-
LFS5150HP	12	150	53.2	505	188	410	0 - 36	37 - 60
LFS5165H	12	165	55	505	188	410	0 - 60	-
LFS5180HP	12	180	57.5	505	188	410	0 - 36	37 - 60
LFS5200H	12	200	63.4	505	188	410	0 - 60	-

Note: Battery Capacity is C10 upto 1.80 Volts per Cell at 27°C

Applications

- Solar Rooftop Projects
- Solar Home Lights
- Solar Street Lights
- Solar UPS
- Solar Management Unit
- Solar Charge Controller
- Telecom Towers

SOLAR STREET LIGHT

Livfast solar street lights are integrated with high efficiency LED as per MNRE specifications.



Years Product Warranty



In-built Dusk to **Dawn Feature**



Dusk to Dawn

- Optimized utilization of battery energy

Dimming Features

- 50% dimming after 5 hrs



Fully Compliant to **MNRE** Specification

Safety & Protection

- charging profile

SOLAR STREET LIGHT

Model Name	LFVSSL9N	LFVSSL12		
System Rating	9 Watt	12 Watt		
Panel Specification				
Maximum Solar Panel (Wp)	Upto 100W			

BATTERY

Battery Type	Lead Acid	
Nominal Battery Voltage	12V	
Battery Capacity (Ah)	Upto 100Ah	

CHARGE CONTROLLER

Maximum Input Voltage(Voc)	22	22V				
Nominal Input Voltage (V)	12	12V				
Nominal Input Current (A)	0.74A @ 12V	0.74A @ 12V 0.97A @ 12V				
Output Voltage (V)	22.8V ± 2%	16.82V ± 2%				
Output Current (A)	0.36A ± 2%	0.625A ± 2%				
Efficiency (%)	> 90	> 90%				
Dusk To Dawn	Dusk <	2.8V				
	Dawn	Dawn > 8V				

LED

Number of LED	16 20			
LED Type	1W			
CRI	Min 70			
ССТ	5500K - 6500K			
Luminous Efficacy	> 90 lm/w > 110 lm/w			

CHARGING & WIRE SPECIFICATION

Charging Type	PWM		
Charging Algorithm / Charging Current	3 Stage of Charging (Bulk, Constant, Voltage, Floating)		
Charging Algorithm / Charging Current	6.8A ± 5%		
Wire Specification	4 core 1.5 sq. mm		
	1 m length		
	Panel: Yellow(-ve), Blue (+ve)		
	Battery: Black(-ve), Red(+ve)		

PROTECTIONS & INDICATORS

Open Circuit Protection	Provided			
Short Circuit Protection	Both LED Will Blink on Error. If Error is Removed, System Will Restart After Around 30 Secs			
Reverse Polarity	Provided for Both Battery & Solar Panel			
Charging	Green LED Blinking			
Low Battery	11.2 V ± 2% (Red, LED on), Battery Reconnect @ 12.3 V ± 2%			
Error	Both LED Will Blink (Red & Green)			
Dimming	50% Dimming after 5 Hours			

GENERAL

Operating Temperature	0°C to 50°C	
Dimensions (LxWxH) MM	330 x 76 x 139	330 x 76 x 139
Net Weight (Kg)	1.5	1.5

Technical Parameters are Subject to Change Without Any Prior Notice

LIGHT DUTY HOME SOLUTION SOLAR COMPONENTS

SOLAR PV PANEL	12V: 100W, 150W,
SOLAR UPS	12V: 900VA 24V
SOLAR BATTERY	100AH, 135AH, 15

ELECTRICITY METER & DISTRIBUTION BOX



SOLAR BATTERY

Note: For the above solution, extra BOS will be required for final installation & commissioning BOS: Cable, connector, ACDB, structure etc.

SOLAR POWER **GENERATING** SYSTEMS

180W | 24V: 335W, 400W

1500-2000VA

50AH, 165AH, 180AH, 200AH



HOUSE LOAD

HEAVY DUTY HOME SOLUTION

SOLAR COMPONENTS

24V - 335W,400W

SOLAR PWM PCU

SOLAR PV PANEL

SOLAR MPPT PCU

SOLAR BATTERY

48V: 3.5KVA, 5KVA | 96V: 5KVA | 120V: 7.5KVA, 10KVA 48V: 3KVA,5KVA | 96V: 7.5KVA | 120V: 10KVA | 240V: 15KVA

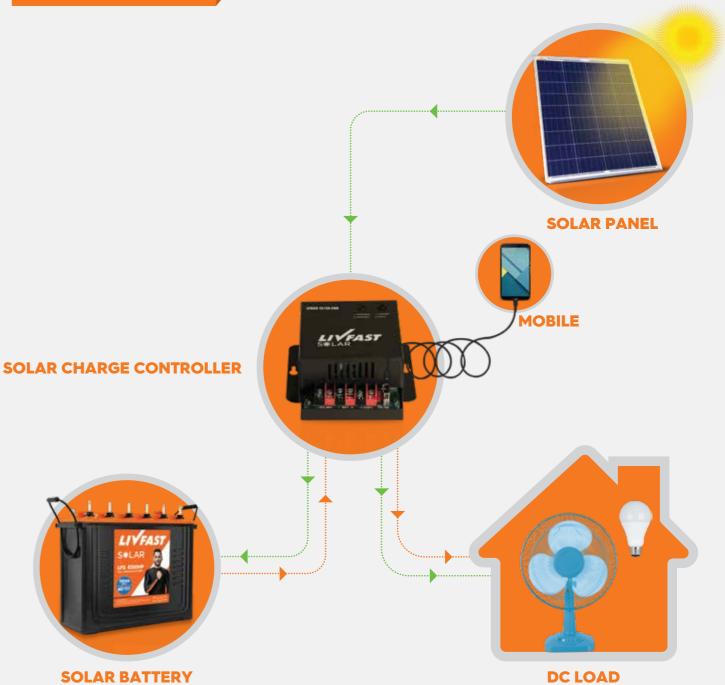
100AH, 135AH, 150AH, 165AH, 180AH, 200AH



Note: For the above solution, extra BOS will be required for final installation & commissioning BOS: Cable, Connector, ACDB, DCDB, structure etc.

DC SOLUTION SOLAR COMPONENTS

SOLAR PV PANEL	12V: 40W, 50W 24V - 335W,40
SOLAR CHARGE CONTROLLER	12/24V: 10-20A
SOLAR BATTERY	40AH, 75AH, 1 180AH, 200AH



Note: For the above solution, extra BOS will be required for final installation & commissioning BOS: Cable, connector, ACDB, structure etc.

V, 75W, 100W, 180W 00W

MPS. | 24/36/48V: 50AMPS.

100AH, 135AH, 150AH, 165AH, H

EXISTING INVERTER SOLARISATION SOLUTION

SOLAR COMPONENTS

SOLAR PV PANEL 12V: 100W, 150W, 180W | 24V - 335W,400W SOLAR 12/24V: 30AMPS. | 24/36/48V: 50AMPS. MANAGEMENT UNIT 100AH, 135AH, 150AH, 165AH, 180AH, 200AH **SOLAR BATTERY ELECTRICITY METER & DISTRIBUTION BOX** ALL: SWITCH BOARD **SOLAR PANEL SOLAR MANAGEMENT UNIT** NORMAL **INVERTER** ANY INVERTER BATTERY **HOUSE LOAD**

Note: For the above solution, extra BOS will be required for final installation & commissioning BOS: Cable, connector, ACDB, structure etc.

SOLAR STREET LIGHT SOLUTIONS

SOLAR COMPONENTS

SOLAR PV PANEL	12V: 40W, 50W
SOLAR STREET LIGHT	9W & 12W
SOLAR BATTERY	40AH, 75AH, 1



Note: For the above solution, extra BOS will be required for final installation & commissioning BOS: Cable, connector, ACDB, structure etc.



75W, 100W

00AH

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