

# UPS SYSTEM BATTERY TYPES

POWER



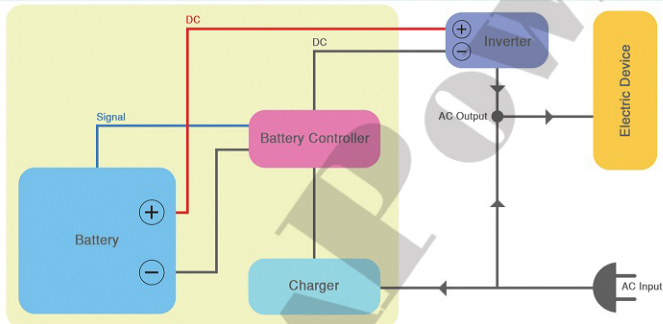


## Uninterruptible Power Supply (UPS) System

When the primary power source is lost, uninterruptible power supply (UPS) is the second power source which enables the electric device to keep running for a short period of time. This may prevent damage due to the sudden shut down of electric device.

Also, it provides protection against power surges, and avoid electric device to be damaged. Besides, there is a built-in inverter to change the direct current (DC) into an alternating current (AC).

UPS System Connection



## UPS Lithium Battery System

12V System

UPS Model	Cell Type	Voltage	Rate	Power	Battery Controller	Max. Discharge Current*	
						Cont.	Pluse (20ms)
KLF1217B.357F	Li-Fe	12V	68Ah	816Wh	BC11D51	50A	100A
KLF1233B.379F	Li-Fe	12V	144Ah	1728Wh		50A	100A
KLF1255B.379F	Li-Fe	12V	160Ah	1920Wh		50A	100A
KLF1272B.379F	Li-Fe	12V	288Ah	3456Wh		50A	100A

Combination: 1S4P

24V System

UPS Model	Cell Type	Voltage	Rate	Power	Battery Controller	Max. Discharge Current*	
						Cont.	Pluse (30sec.)
KLF1217B.357F	Li-Fe	24V	34Ah	816Wh	BC21D51	50A	100A
KLF1233B.379F	Li-Fe	24V	72Ah	1728Wh		200A	250A
KLF1255B.379F	Li-Fe	24V	96Ah	2304Wh	BC21D22	200A	250A
KLF1272B.379F	Li-Fe	24V	144Ah	3456Wh		200A	250A

Combination: 2S2P

\*Maximum discharge current value is subject to change. Please refer to the respective specification sheet of different products for the most updated details.

# Battery Controllers



Product Photo	Model	Specifications	
	BC11D51	Input Voltage	DC 14.4V
		Max. Cont. Discharge Current*	50A
		Max. Pulse Discharge Current*	100A (20ms)
		Max. Charging Current	30A
		Casing	Aluminum Alloy
		Dimensions (mm)	112.7 (L) x 63.5 (W) x 38.2 (H)
	BC21C11	Input Voltage	DC 28.8V
		Max. Cont. Discharge Current*	20A
		Max. Pulse Discharge Current*	30A (30sec.)
		Max. Charging Current	20A
		Casing	Aluminum Alloy
		Dimensions (mm)	112.7 (L) x 63.5 (W) x 38.2 (H)
	BC21D22	Input Voltage	DC 28.8V
		Max. Cont. Discharge Current*	200A
		Max. Pulse Discharge Current*	250A (30sec.)
		Max. Charging Current	200A
		Casing	Aluminum Alloy
		Dimensions (mm)	137.5 (L) x 178.0 (W) x 68.8 (H)
	BC31S21	Input Voltage	DC 43.2V
		Max. Cont. Discharge Current*	20A
		Max. Pulse Discharge Current*	30A (30sec.)
		Max. Charging Current	20A
		Casing	Aluminum Alloy
		Dimensions (mm)	137.5 (L) x 178.0 (W) x 68.8 (H)

\*Maximum discharge current value is subject to change. Please refer to the respective specification sheet of different products for the most updated details.

## Remarks:

1. Discharging current is controlled by the Electric Device.
2. The data listed is the upper limit of the controller itself, NOT the of battery packs.
3. Controller only controls 'activating' / 'cutting off' the charging current; and the actual current is determined by the charger.