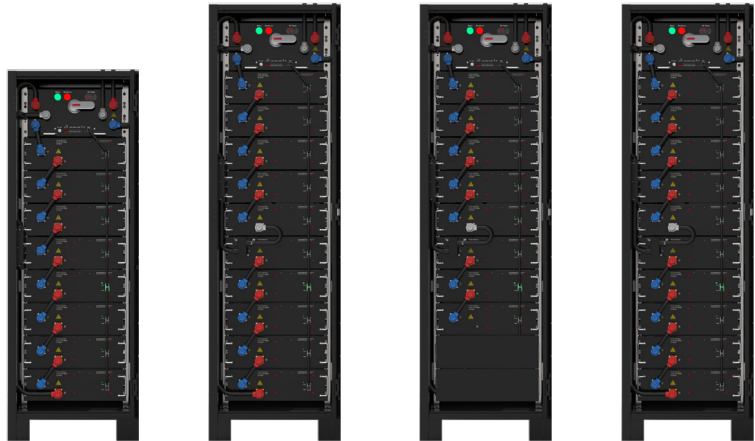


Lithium-ion Battery for 3-phase Online UPS

- Lithium Iron battery LiFePO4 guarantees safety and reliability
- 6C discharge current for 10min application
- +/- battery voltage with midpoint to support most of UPS battery configuration
- Suitable for wide range of UPS with high-voltage



BATTERY MODEL		TP80	TP100	TP160	TP200
SINGLE BATTERY MODULE		51.2V/50AH, 2560Wh	51.2V/50AH, 2560Wh	51.2V/100AH, 5120Wh	51.2V/100AH, 5120Wh
CELL		3.2V 50AH	3.2V 50AH	3.2V 50AH	3.2V 50AH
NUMBERS OF BATTERY MODULES		8	10	8	10
PARAMETERS					
Nominal Voltage		+/- 204.8VDC	+/- 256VDC	+/- 204.8VDC	+/- 256VDC
Charge Voltage		+217.6-+/-220.8 VDC	+/-272-+/-276VDC	+217.6-+/-220.8 VDC	+/-272-+/-276VDC
Full Discharge Voltage (FD)		+/- 179.2VDC	+/- 224VDC	+/- 179.2VDC	+/- 224VDC
Typical Capacity		50Ah	50Ah	100AH	100AH
Typical Energy		20.5KWH	25.6KWH	40.96KWH	51.2KWH
Max Discharging Current		250A	250A	510A	510A
Protection		BMS & Circuit Breaker			
Charge Current (Recommend)		10A-25A	10A-25A	10A-25A	10A-25A
Maximum Charge current		25A	25A	50A	50A
Discharging Time	10mins*	91kW	114kW	200kW	250kW
	15mins*	80kW	100kW	160kW	200kW
	30mins*	40kW	50.4kW	81kW	101kW
	45mins*	27kW	33.8kW	54kW	68kW
	60mins*	20kW	25.45kW	41kW	51kW
Maximum Supported UPS Capacity**		≤80kW	≤100kW	≤180kW	≤200kW
Recommended Supported UPS Capacity**		≤60kW	≤80kW	≤120kW	≤160kW
Cycle Life		2500 Cycles @25°C,0.5C/2C,100%DOD			
Inner Resistance		≤85 mΩ	≤100mΩ	≤50 mΩ	≤60 mΩ
Operating Temperature	Charge	0°C~50°C			
	Discharge	0°C~65°C			
Compliance Safety		IEC62619, UL9540A, UL1973, CE-LVD(EN62477+62040), CE-EMC(IEC61000-6-2)		IEC62619, IEC60068, UL9540A, UL1973, CE-LVD(EN62477+62040), CE-EMC(IEC61000-6-2)	
PHYSICAL					
Single Battery Module	Dimension, D x W x H (mm)	690 x 482 x 106	690 x 482 x 106	800 x 482 x 149	800 x 482 x 149
	Complete Set	1000 x 600 x 1500	1000 x 600 x 2000	1000 x 600 x 2000	1000 x 600 x 2000
	Net Weight(Kg)	480	550	760	900

*Discharging time is calculated from battery output power, not UPS output power. For the details, please contact UPS maker.

**Maximum supported UPS capacity is based on consideration of UPS efficiency. Recommended supported UPS capacity is based on the consideration of UPS overload. Product specifications are subject to change without further notice.

Backup Time Table



UPS Rating	Mins					
	TP80	TP80 x 2	TP80 x 3	TP100	TP100 x 2	TP100 x 3
10kva	110.4	220.8	331.2	138	276	414
15kva	73.6	147.2	220.8	92	184	276
20kva	55.2	110.4	165.6	69	138	207
30kva	36.8	73.6	110.4	46	92	138
40kva	27.6	55.2	82.8	34.5	69	13.5
60kva	18.4	36.8	55.2	23	46	69
80kva	13.8	27.6	41.4	17.3	34.5	51.8
100kva	11	22.1	33.1	13.8	27.6	41.4
120kva	X	18.4	27.6	11.5	23	34.5
150kva	X	14.7	22.1	X	18.4	27.6
200kva	X	11	16.6	X	13.8	20.7
250kva	X	X	13.2	X	11	16.6
300kva	X	X	11	X	X	13.8
400kva	X	X	X	X	X	X
500kva	X	X	X	X	X	X
600kva	X	X	X	X	X	X



UPS Rating	Mins					
	TP160	TP160 x 2	TP160 x 3	TP200	TP200 x 2	TP200 x 3
10kva	220.8	441.6	662.4	276	552	828
15kva	147.2	294.4	441.6	184	368	552
20kva	110.4	220.8	331.2	138	276	414
30kva	73.6	147.2	220.8	92	184	276
40kva	55.2	110.4	165.6	69	138	207
60kva	36.8	73.6	110.4	46	92	138
80kva	27.6	55.2	82.8	34.5	69	103.5
100kva	22.1	44.2	66.2	27.6	55.2	82.8
120kva	18.4	36.8	55.2	23	46	69
150kva	14.7	29.4	44.2	18.4	36.8	55.2
200kva	11	22.1	33.1	13.8	27.6	41.4
250kva	X	17.7	26.5	11	22.1	33.1
300kva	X	14.7	22.1	X	18.4	27.6
400kva	X	11	16.6	X	13.8	20.7
500kva	X	X	13.2	X	11	16.6
600kva	X	X	11	X	X	13.8

* This backup time is calculated based on UPS efficiency 92% and BMS (250A for 50AH, 510A for 100AH)

