

Powersafe On-line HF UPS Backup Time Chart

Load Percentage	10%	20%	30%	40%	50%	60%	70%	80%	90%	Full				
On-Line PS-1KVA Battery: 12V x 2 DC Bus: 24V Charger: 5 Amp	PCs			1 PC										
	VA	100	200	300	400	500	600	700	800	900	1000			
	26 AH	8h	3h18m	1h54m	1h18m	55m	48m	42m	35m	28m	24m			
	40 AH	12h	5h30m	3h24m	2h12m	1h36m	1h24m	1h12m	1h	50m	42m			
	65 AH	20h	9h	5h30m	3h48m	2h42m	2h24m	2h	1h42m	1h24m	1h12m			
	80 AH	28h	12h30m	8h	5h12m	4h	3h30m	3h	2h30m	2h6m	1h42m			
	100 AH	35h	16h	10h	7h	5h	4h36m	4h	3h30m	2h48m	2h18m			
On-Line PS-2KVA Battery: 12V x 4 DC Bus: 48V Charger: 5 Amp	PCs			2 PC										
	VA	200	400	600	800	1000	1200	1400	1600	1800	2000			
	26 AH	8h	3h18m	1h54m	1h18m	55m	48m	42m	35m	28m	24m			
	40 AH	12h	5h30m	3h24m	2h12m	1h36m	1h24m	1h12m	1h	50m	42m			
	65 AH	20h	9h	5h30m	3h48m	2h42m	2h24m	2h	1h42m	1h24m	1h12m			
	80 AH	28h	12h30m	8h	5h12m	4h	3h30m	3h	2h30m	2h6m	1h42m			
	100 AH	35h	16h	10h	7h	5h	4h36m	4h	3h30m	2h48m	2h18m			
On-Line PS-3KVA Battery: 12V x 6 DC Bus: 72V Charger: 5 Amp (*1 Amp Charger)	PCs	1 PC	2 PC	3 PC	5 PC	6 PC	7 PC	8 PC	9 PC	10 PC	12 PC			
	VA	300	600	900	1200	1500	1800	2100	2400	2700	3000			
	*7Ah	1h30m	36min	21min	15min	11min	<9min	<7min	<6min	<5min	<1min			
	*12Ah	3h	1h15m	42min	30min	22min	18min	15min	12min	10min	<9min			
	*17Ah	5h	2h	1h15m	48min	36min	30min	25min	21min	18min	15min			
	26 AH	8h	3h18m	1h54m	1h18m	55m	48m	42m	35m	28m	24m			
	40 AH	12h	5h30m	3h24m	2h12m	1h36m	1h24m	1h12m	1h	50m	42m			
	65 AH	20h	9h	5h30m	3h48m	2h42m	2h24m	2h	1h42m	1h24m	1h12m			
	80 AH	28h	12h30m	8h	5h12m	4h	3h30m	3h	2h30m	2h6m	1h42m			
	100 AH	35h	16h	10h	7h	5h	4h36m	4h	3h30m	2h48m	2h18m			
	On-Line PS-6KVA Battery: 12V x 20 DC Bus: 240V Charger: 5 Amp	PCs	2 PC	5 PC	7 PC	10 PC	12 PC	15 PC	17 PC	20 PC	22 PC	25 PC		
		VA	600	1200	1800	2400	3000	3600	4200	4800	5400	6000		
		*7Ah	2h45m	1h15m	45min	30min	21min	16min	15min	12min	10min	<9min		
*12Ah		5h30m	2h30m	1h30m	1h	42min	33min	30min	24min	21min	18min			
*17Ah		9h	4h	2h30m	1h40m	1h15m	54min	48min	40min	34min	30min			
26 AH		14h	6h12m	4h12m	2h42m	1h54m	1h36m	1h18m	1h6m	54m	48m			
40 AH		22h	10h30m	6h48m	4h36m	3h24m	2h48m	2h12m	1h54m	1h36m	1h24m			
65 AH		35h	17h	11h	7h30m	5h30m	4h36m	3h48m	3h12m	2h42m	2h24m			
80 AH		50h	23h	16h	10h	8h	6h30m	5h12m	4h36m	4h	3h30m			
100 AH		62h	30h	20h	14h	10h	8h30m	7h	6h	5h	4h36m			
*120Ah		Optional 12A charger required for 120Ah, 150Ah, 180Ah, 200Ah, 240Ah battery.							9h	7h	6h30m	5h30m		
*150Ah									12h	9h30	9h	7h30m		
*180Ah									15h	11h30	11h	9h		
*200Ah	17h								14h	13h	10h30m			
*240Ah	20h								17h	16h	13h			
3:1 Phase On-Line PS-10KVA Battery: 12V x 20 DC Bus: 240V Charger: 5 Amp (*12 A Charger)	PCs	4 PC	9 PC	13 PC	18 PC	22 PC	27 PC	31 PC	36 PC	40 PC	45 PC			
	VA	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000			
	26 AH	8h	3h18m	1h54m	1h18m	55m	48m	42m	35m	28m	24m			
	40 AH	12h	5h30m	3h24m	2h12m	1h36m	1h24m	1h12m	1h	50m	42m			
	65 AH	20h	9h	5h30m	3h48m	2h42m	2h24m	2h	1h42m	1h24m	1h12m			
	80 AH	28h	12h30m	8h	5h12m	4h	3h30m	3h	2h30m	2h6m	1h42m			
	100 AH	35h	16h	10h	7h	5h	4h36m	4h	3h30m	2h48m	2h18m			
	*120Ah	Optional 12A charger required for 120Ah, 150Ah, 180Ah, 200Ah, 240Ah battery.							6h45m	5h30m	4h45m	3h45m	3h20m	3h
	*150Ah								9h	7h30m	6h	5h	4h30m	4h
	*180Ah								11h	9h	7h45m	6h	5h15m	4h45m
	*200Ah								13h	10h30m	9h	7h	6h	5h30m
	*240Ah								16h	13h	11h	8h	7h	6h30m
	3:1 Phase On-Line PS-20KVA Battery: 12V x 20 DC Bus: 240V Charger: 5 Amp (*12 A Charger)	PCs	9 PC	18 PC	27 PC	36 PC	45 PC	54 PC	63 PC	72 PC	81 PC	90 PC		
VA		2000	4000	6000	8000	10000	12000	14000	16000	18000	20000			
26 AH		3h18m	1h18m	48m	35m	24m	19m	16m	13m	12m	<10m			
40 AH		5h30m	2h12m	1h24m	1h	42m	36m	30m	24m	21m	17m			
65 AH		9h	3h48m	2h24m	1h42m	1h12m	1h	54m	42m	36m	30m			
80 AH		12h30m	5h12m	3h30m	2h30m	1h42m	1h30	1h20m	1h	45m	42m			
100 AH		16h	7h	4h36m	3h30m	2h18m	2h	1h36m	1h20m	1h10m	55m			
*120Ah		Optional 12A charger required for 120Ah, 150Ah, 180Ah, 200Ah, 240Ah battery.							3h	2h30m	2h	1h40m	1h30m	1h20m
*150Ah									4h	3h15m	2h45m	2h20m	2h	1h45m
*180Ah									4h45m	4h	3h30m	2h45m	2h30m	2h
*200Ah									5h30m	4h35m	4h	3h20m	2h50m	2h20m
*240Ah									6h30m	5h30m	4h40m	4h36m	3h30m	3h

* Notes (Very Important):-

1. We do not recommend solution which gives 10min or less backup. Battery performance may deteriorate with time & use.
2. 1A charger modification at request. 12A Supercharger is an external device, optionally available.
3. Chart based on normal system with 17" LCD Monitor with 1GB RAM, 80GB HDD, Mini Tower Cabinet.
4. Add up the power required by Networking products, Peripherals, USB products, FAX, Phones and EPABX systems.
5. All calculations based on Inverter/UPS grade Thick Plate Battery in fully charged condition.
6. Automotive/Local made batteries are not designed for such application and may not give you proper backup.
7. Laser printers are not to be considered as it consumes around 300-1200W load.
8. CRT type monitors consumes more power
9. This chart is for the technical reference only.
10. Calculations are a rough approximation & actual figures may vary as they depend on numerous conditions.
11. All specifications & calculations are subject to change without prior notice.
12. For further clarification & assistance please mail to techsupport@kunhar.com
13. **With effect from 14th August, 2009.**