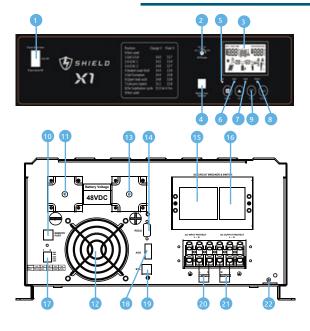


The Shield X1 range of inverter chargers is engineered with a built-in pure copper UI transformer to make it lasting and reliable. This inverter charger gives you a pure sine wave output and charges your batteries using our three stage charging to maximize the life of your batteries.

The inverter charger's high efficiency makes sure of a lower OPEX. Its low noise does not cause disturbance near installation areas. You can access the X1's parameters via its LCD panel and check warnings or operation with the LEDs.



- Rated power of 8KW to 12KW.
- Pure sine wave output, ideal for all equipment.
- Max 100A charging current coupled with 3 stage charging for longer life of batteries.
- Adjustable charge current for applications (25%, 50%, 75%, 100%).
- Built in pure copper UI transformer.
- Automatic signal for starting generator.
- DC start and auto self-diagnosis function.
- Supports RS485 communication. Can be used for remote monitoring.
- Battery or AC priority function.
- Quiet operation, less noise around installation агеа.
- LED and LCD readings for diagnosis and reporting.



Display and connections

1. Power saver on/off switch 12. Fan

2. Ac charger current setting 13. Battery +ve

3. LCD display

4. Battery Voltage Setting

5. Inverter indicator

6. Charging indicator

7. Grid indicator

8. Fault indicator

9. Function

10. Remote port

11. Battery -ve

14. RS485/CAN

communication port

15. AC input/Bypass breaker

16. AC output breaker

17. Function Switch(SW1-SW5)

18. AGS

19. BTS

20. AC Input

21. AC Output

22. Ground





Specification sheet

V4 0	V4.40	V4.42
		X1-12 12KW
		48VDC
40000	40400	40400
24KW	30KW	36KW
		6HP
>95%		
1.0		
220V/230V/240VAC (+/-10% RMS)		
50Hz/60Hz +/-0.3 Hz		
Yes (1sec after fault)		
10ms (max)		
230VAC		
155~280VAC(For Personal Computers)		
50H2	Z/60HZ (Auto sensing) 40~8	0Hz
20.0VDC/21.0VDC for 24VDC mode (40.0VDC/42.0VDC for 48VDC mode)		
21.0VDC+/-0.3V for 24VDC mode (42.0VDC+/-0.6V for 48VDC mode)		
20.0VDC+/-0.3V for 24VDC mode (40.0VDC+/-0.6V for 48VDC mode)		
32.0VDC+/-0.3V for 24VDC mode (64.0VDC+/-0.6V for 48VDC mode)		
31.0VDC+/-0.3V for 24VDC mode (62.0VDC+/-0.6V for 48VDC mode)		
	<35W when power saver on	
	Depends on battery type	
40A	50A	63A
	1/3 Rating power	
	62.8VDC	
70A	80A	100A
4mv cha	rging voltage descent, per	1°C rise
Sine wave (grid or generator)		
220V/230V/240VAC		
300VAC for 230VAC HV mode		
50Hz or 60Hz		
Circuit breaker		
Circuit breaker		
80A		
	80A	
	80A	
	80A Wall mount	
	Wall mount	
	Wall mount 670*410*215mm	
	Wall mount 670*410*215mm 802*533*429.5mm 0°C to 40°C	
	Wall mount 670*410*215mm 802*533*429.5mm	
	220 155~2 50Hz 20.0VDC/21.0VDC for 2 21.0VDC+/-0.3V for 2 20.0VDC+/-0.3V for 2 31.0VDC+/-0.3V for 2 40A	8KW 10KW 48VDC 48VDC 24KW 30KW 4HP 5HP Pure sine wave/ same as input (bypastone)

