

STANFORD

STANFORD 1.6KVA (1.3KW) Single Phase Static Inverter Package, 192V (16 x 24Ah Batteries)



INPUT CHARACTERISTICS

Input Voltage (V).	220-240
THD (Linear Load)	<5%
Frequency (Hz)	50
Phase	Single Phase
Maximum Input Current (A)	20
MCB Type	Type C/D
Input Terminal Size (mm)	Please refer to BS 7671
DC Supply (V)	192V Nominal

OUTPUT CHARACTERISTICS

kVA Rating (kVA)	1.6
kW Rating	1.3
Output Voltage (V)	220-240

BLE LIGHTING AND POWER LTD

Unit 3, Drake Business Park, Drake House Crescent, Sheffield, S20 7HT
T: 01246 432325, E: sales@blelighting.co.uk, W: www.blelighting.co.uk

This document is uncontrolled if printed, all information is subject to change. Generated on 18/11/25

Output Frequency (Hz)	50
Output Phase	Single Phase
Output Current (A)	5.2
Low Voltage Disconnect (V)	163.2
System Duration (Hours)	3
Frequency Stability	<+/- 0.5% Asynchronous, <+/-2% Synchronous
Crest Factor	3:1
Output Wave Form	Pure Sine Wave
Voltage Transfer	0-100% Dynamic Load 100%
Overload Capacity	20% continuously for > 1 hour, 150% continuously for 10 minutes, 200% continuously for <1 minute
Efficiency (100% Load)	>90%
Load PF	>0.70
Output Category	Maintained/Non-maintained
Output Protection	Circuit Breaker

ENVIRONMENT

Operating Temp (°c)	0 to +22
Relative Humidity	30-90% non-condensing
Altitude (m)	<1000
Noise (dBA)	45-65
Ingress Protection (IP) Rating	IP22
Ventilation	Forced Air

GENERAL DATA (POWER)

Colour	Blue / Grey
Display Type	LCD with User Interface
Fixing Locations	Floor Standing
Cable Entry	Bottom Entry
Product Warranty (Years)	1

BATTERIES

Battery Type.	Sealed Lead Acid
Battery Voltage (v)	12
Battery Ah (Ah)	24

BLE LIGHTING AND POWER LTD

Unit 3, Drake Business Park, Drake House Crescent, Sheffield, S20 7HT
T: 01246 432325, E: sales@blelighting.co.uk, W: www.blelighting.co.uk

This document is uncontrolled if printed, all information is subject to change. Generated on 18/11/25

Battery weight (kg)	9.8
Battery Quantity	16
Total Battery Weight (Kg)	156.8
Battery Duration (Hours)	3
Battery Service Life (Years)	10

INVERTER CUBICLE DIMENSIONS

Inverter Cubicle Height (mm)	740
Inverter Cubicle Width (mm)	343
Inverter Cubicle Depth (mm)	630
Inverter Cubicle Weight (Kg)	93
Ventilation Clearance - Rear (mm)	500
Ventilation Clearance - Side (mm)	500

BATTERY CABINET DIMENSIONS

Battery Cabinet Height (mm)	1350
Battery Cabinet Width (mm)	780
Battery Cabinet Depth (mm)	470
Battery Cabinet Weight (Kg)	57
Battery Cabinet Quantity	1
Total Weight excluding Batteries (Kg)	57
Total Weight including Batteries (Kg)	213.8
Ventilation Clearance (mm)	500

WEIGHT

Total System Weight (Kg)	306.8
--------------------------	-------

STANDARDS & APPROVALS (POWER)

Product Manufactured in Accordance with	BS EN 50171:2021
---	------------------

BLE LIGHTING AND POWER LTD

Unit 3, Drake Business Park, Drake House Crescent, Sheffield, S20 7HT
T: 01246 432325, E: sales@blelighting.co.uk, W: www.blelighting.co.uk

This document is uncontrolled if printed, all information is subject to change. Generated on 18/11/25