



A GREEN SOLAR-DRYING TECHNOLOGY



SOLAR BUBBLE DRYER™ (SBD)

An economical and easy-to-use tunnel shaped solar dryer that effectively dries agricultural commodities, while protecting against sudden rains and contaminants.

KEY FEATURES:

- **Safe Drying**
A multi-crop drying solution that protects commodities against sudden rains, spillage losses and other unhealthy contaminants.
- **“Green” technology**
Absorbs solar heat to dry commodities. Ventilator/s push out moisture, which exits through the exhaust port/s at the back.
- **Energy-efficient solution**
It can run using purely solar energy. An electric-powered SBD is also available.
- **Easy-to-assemble**
Made of collapsible materials and detachable components that make it easy to transport and assemble on any flat surface. Rake mixer ensures easy mixing and uniform drying.

COMPONENTS



SOLAR PANEL



SOLAR VENTILATOR



ELECTRICAL ASSEMBLY



ELECTRIC VENTILATOR



BUBBLE SUPPORT ARCS



RAKE MIXER



ROLLER BAR (OPTIONAL)



BATTERY (OPTIONAL)



TOP COVER AND DRYING FLOOR

PRODUCT SPECIFICATIONS

PARAMETERS		SBD 25		SBD 50	
		Solar	Electric	Solar	Electric
Total Length, m		15.0 (±0.1)		26.0 (±0.1)	
Total Width, m		2.0 (±0.1)		2.0 (±0.1)	
Drying Area, m ²		25		50	
Capacity, MT		0.5		1	
Packed Dimension, m (L x W x h)		1.15 x 0.90 x 0.40	1.1 x 0.90 x 0.35	1.15 x 1 x 0.42	1.1 x 1 x 0.33
Packed Weight, kg		57	48	88.5	69
COMPONENTS		SBD 25		SBD 50	
		Solar	Electric	Solar	Electric
BODY	Top Cover	UV-resistant LDPE		UV-resistant LDPE	
	Drying Floor	Reinforced PVC		Reinforced PVC	
	Zipper	Heavy-duty Zipper (open ended)		Heavy-duty Zipper (open ended)	
ELECTRONIC COMPONENTS	Transformer**	Not Required	Step-up (110V -- 220V), 500w	Not Required	Step-up (110V -- 220V), 500w
	Wiring Harness	#14 auto wire (black and red)	#14 duplex wire	#14 auto wire (black and red)	#14 duplex wire
SOLAR PANEL	Charge Controller	1 piece, 12V/10A	Not Required	1 piece, 12V/10A	Not Required
	Solar Battery	Deep Cycle Solar Battery, 70Ah	Not Required	Deep Cycle Solar Battery, 70Ah	Not Required
	Unit (s)	1 panel, 100w	Not Required	2 panels, 100w	Not Required
VENTILATOR	Frame	Aluminum Bars		Aluminum Bars	
	Unit (s)	1 unit DC Ventilator, 12V	1 unit AC Ventilator, 220V	2 units DC Ventilator, 12V	2 units AC Ventilator, 220V
BUBBLE SUPPORT ARCHES	Material	PVC		Not Required	
	Length, m	0.84 and 1.0 (±0.01)		Not Required	
MIXING	Rake Mixer	Plastic rake w/ aluminum disassembled handle		Plastic rake w/ aluminum disassembled handle	
	Tube Mixer (Roller)***	2.4 -- 2.6m G.I.pipe, 2" diameter		2.4 -- 2.6m G.I.pipe, 2" diameter	

* patent applied for

** transformer included for countries with 110V electric power supply

*** sold separately as an optional purchase

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Worldwide distributors and specifications for the entire product line are available at www.grainpro.com