

# PS150 BOOST

## Surface Booster Pump for Solar Operation

### Characteristics

- flow rate up to 0.9 m<sup>3</sup>/h
- lift up to 140 m
- same performance for 12 and 24VDC
- maintenance-free
- excellent efficiency thanks to modern brushless DC motor technology

### Application

- water pressurising
- drinking water supply
- livestock watering
- pond management
- irrigation
- filtration
- etc.

### Features

- rotary vane mechanism (positive displacement), made of forged brass, carbon-graphite and stainless steel
- brushless DC motor
- solar operation: MPP tracking, current booster for solar direct applications, pump speed control, low voltage disconnect for battery protection, terminals for float/remote switch and low water probe
- PV-direct (Non-battery) operation requirement: rated power of PV module must exceed pump watts by 20% or more. Voc 50VDC
- suction capacity: 5 m/20 ft
- horizontal or vertical mounting
- cannot tolerate dirt, water must be filtered clear
- must not be submerged

### Accessories

- inline filter (10 in), standard filter cartridge
- installation kit: Pressure switch, pressure gauge, check, drain and shut-off valves, tank tee
- float switch for tank shut off if full
- well probe sensor to protect pump from dry-running

### Performance

	PS150 Boost 60	PS150 Boost 125	PS150 Boost 240
Max. flow rate [m <sup>3</sup> /h]	0.26	0.48	0.90
Max. vertical lift [m]	140	90	45



**Performance Chart** PV or battery, 12VDC or 24VDC\*

vertical lift		PS150 BOOST 60			PS150 BOOST 125			PS150 BOOST 240		
[m]	[in]	[litres/h]	[US-Gal./h]	[W]	[litres/h]	[US-Gal./h]	[W]	[litres/h]	[US-Gal./h]	[W]
5	17	260	69	35	475	125	50	900	238	65
10	33	257	68	40	470	124	55	895	236	90
15	50	254	67	45	470	124	62	890	235	105
20	65	252	67	55	469	124	70	880	232	120
25	83	250	66	63	460	122	80	875	231	135
30	100	248	66	72	450	119	90	870	230	150
40	132	246	65	80	448	118	105	865	229	200
45	150	244	64	85	447	118	112	860	227	225
50	165	242	64	90	446	118	120			
60	200	240	63	95	425	112	140			
70	231	239	63	110	419	111	160			
80	265	238	63	125	409	108	185			
90	300	236	62	140	407	108	200			
100	330	234	62	165						
120	400	228	60	185						
140	460	222	59	220						

\*) Tolerance: ± 10 %

**Dimensions** for BOOST 60/BOOST 125 and BOOST 240

