



SOLEVENTO

Urban Green Energy Hybrid Off-grid Street Lighting



sanya series

	Sanya Series		Santorini Series
	S2-55	S1-55	SX1-55
Wind energy			
Turbine:	UGE-600	UGE-600	UGE-600
Rated output:	600W	600W	600W
Rated windspeed:	12 m/s	12 m/s	12 m/s
Solar Power			
Panel:	F3-40	F3-40	F3-40
Number of panels:	4	2	2
Rated panel output:	40W	40W	40W
Total rated output:	160	80	80
LED Light			
Wattage:	55W	55W	55W
Number of Lights:	2	1	1
Height from ground:	10m	10m	
Lumens:	2600	2600	2600
No. of LEDs per fixture:	42	42	42
LED Voltage (Vdc)	48	48	48
Post			
Material:	Steel	Steel	
Finish:	Paint	Paint	
Height:	12m	12m	
Control System			
Controller:	UGE-S2C	UGE-S1C	UGE-S1C
Batteries			
Brand:	Not included	Not included	Not included
Type:	Lead Acid	Lead Acid	Lead Acid
Capacity (Ah) - 5-day storage:	125	62.5	62.5
Capacity (Ah) - 7-day storage:	175	87.5	87.5
Check			
Wind Capacity (W):	600	600	600
Capacity Factor:	0.15	0.15	0.15
Solar Capacity (W):	160	80	80
Capacity Factor:	0.15	0.15	0.15
Aggregate ave Output:	114	102	102
Average Power Consumption:	50	25	25
Percent of Required:	228%	408%	408%
	OK	OK	OK



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