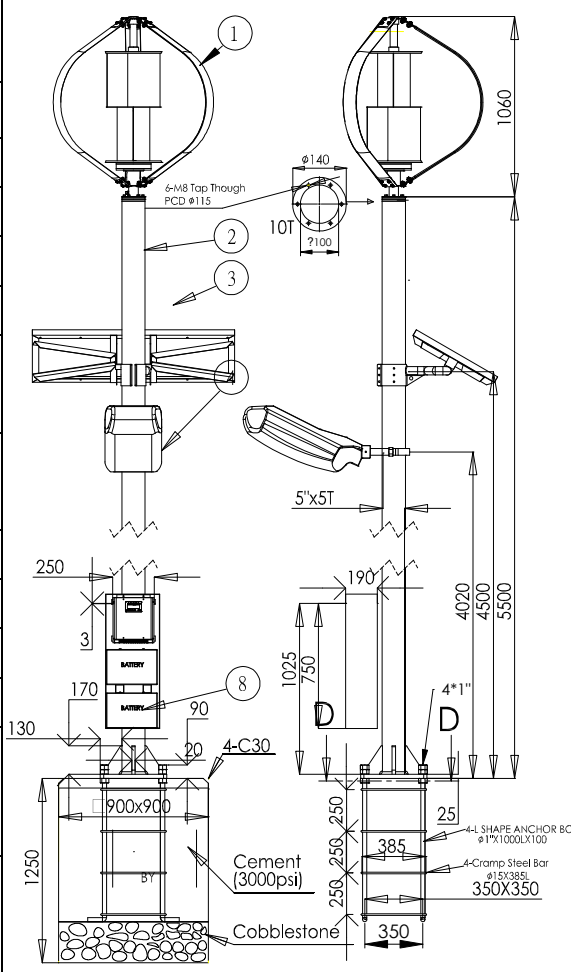
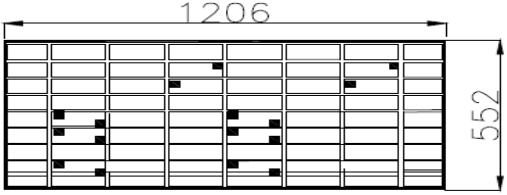
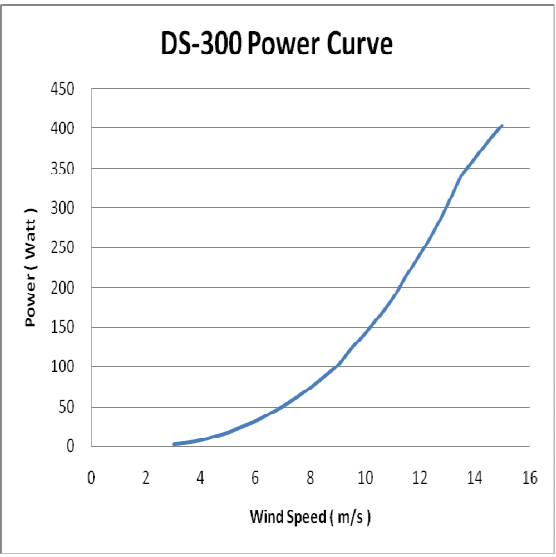
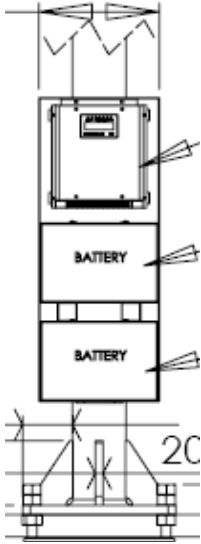


Model Number:300W-85(170)P-24(36)L-5500 series

Product Specifications	
Wind Power	DS-300 Vertical Axis Wind Turbine at rated power output of 300W
Solar Power	Silicon mono crystal in rated power output of 85W, TUV IEC 61215
Lamp	24W LED or 36W LED
Control System	Hi Energy's WG0400 + WS0200 hybrid power controllers for 400W wind power and 200W solar power
Battery	2 pieces of deep recycle Silicone Battery of each 12V/100Ah in total 200Ah
Supporting Pole	SS400 grade iron pole with surface painting in CNS4900 standard
Product Dimensions	
Overall Height	6.56 meters
Rotor Diameter	1.245 meter
Diameter of Pole	Ø14cm
Pole Height	5.5 meters
Dimensions of Solar Panel	1206x552mm
DS-300 Wind Turbine Specifications	
Type	Vertical Axis
Cut in	< 3 m/s
Cut out	15 m/s
Rated	13 m/s
External Darrius Blade	3 Blades in Anodized Aluminum
Internal Savonius Blades	2 Layers in Anodized Aluminum
Pole Material	Galvanized Carbon Steel
Rotor Diameter	1.245 meters
Rotor Height	1.06 meters
Generator Specifications	
Generator Type	AC, 3 phase, Coreless, Synchronism PMG
Rated Output	300W



Specification of Solar Panel		PV Panel Diagram	
Dimensions	1206 x 552mm		
Material	Silicon mono crystal		
Output Power	Rated 85W		
Specifications of LED Lamp			
Material of Lamp Shell	High Pressure Die Casting Aluminum Alloy		
Material of Lamp Cover	Polycarbonate		
Reflection Material	Nylon Fiber with Electroplating Coating		
Average Power Consump.	12V, 3Amp for 36W LED 12V, 2Amp for 24W LED		
Operation Temperature	-15~50°C	Protection Grade	IP-65
36W LED Specifications		24W LED Specifications	
Type	LED	Type	LED
Brightness	Total 1200 Lm,	Brightness	Total 800 Lm

Brake System			
Automatic	Over speed short circuit braking system	Manual	Manual switch type short circuit brake (Optional)
Ambient Temperature	-10~40°C	Ambient Humidity	95% max.
Power Curve of DS300 Wind Turbine		Battery & Controller in Pole	
			
Battery	2 Sets of Silicone Battery in each 100Ah, 12VDC (Optional)		