

UniGo-D

Wind Power& PV & Diesel Energy Storage Microgrid power system

YCSOLAR
英辰新能源

- New application model of 100% power supply with oil extractor new energy.
- The system is powered by photovoltaic and wind new energy, which is green and environmentally friendly.
- Photovoltaic and wind power can be operated independently or hybridized.
- Diesel engine safety power reserve to ensure safe production.
- Enables 24-hour power supply to the oil extractor.
- All products are outdoor rated to withstand the rigours of the natural environment.
- All-in-one product, simple construction.



Construction site
Field work



Photovoltaic module

Module specification	YC580NDF72M10/2
Power output	580Wp
Module quantity	46
Voltage at Pmax	42.72V
Current at Pmax	13.59A
Open-circuit voltage	51.77V
Short-circuit current	14.29A
Module efficiency	22.45%
Size (W*H*D)	2278*1134*30mm
Module weight	31.9kg
Photovoltaic bracket	1set

Energy storage battery

Battery Type	LiFePO4
Battery nominal energy	112.6kWh
Battery voltage range	200Vdc ~ 640Vdc
Maximum charging current	100A
Cycle times	6000次
Temperature-controlled method	Air-cooled
Protection level	IP54
Battery Management System (BMS)	有

Diesel generator

Rated power	10kW
Maximum power	11kW
Rated voltage	380/400/415Vac
Startup mode	Electric startup
Piston displacement	0.691L
Fuel consumption	1.8 ~ 2.3L per hour
Fuel tank volume	16L

Wind turbine generator

Rated power/Maximum power	10000W/15000W
Operating voltage	DC563V
Generator type	Three-phase AC permanent magnet
Fan wheel diameter	7m
Blade material/quantity	Reinforced FRP 3pcs
Rated wind speed	12m/s
Working wind speed	3 ~ 12m/s
Safe wind speed	35m/s
Tower height	15m
Generator/Tower wight	650kg/1100kg

System controller cabinet

Rated output power	4kW
Rated voltage	380/400/415Vac
Rated output frequency	50/60Hz(±5%)
DC/DC Module (Wind Power)	1set
DC/DC Module (Solar Power)	1set
AC/DC Module (Diesel)	1set
DC/AC Modules (Inverter)	1set
EMS control module	1set
Fire protection module	1set
Temperature control module	1set
Communication module	1set

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