

UniGo-H

Home Solar Photovoltaic System

YCSOLAR
英辰新能源



Home power supply



Super high
integration



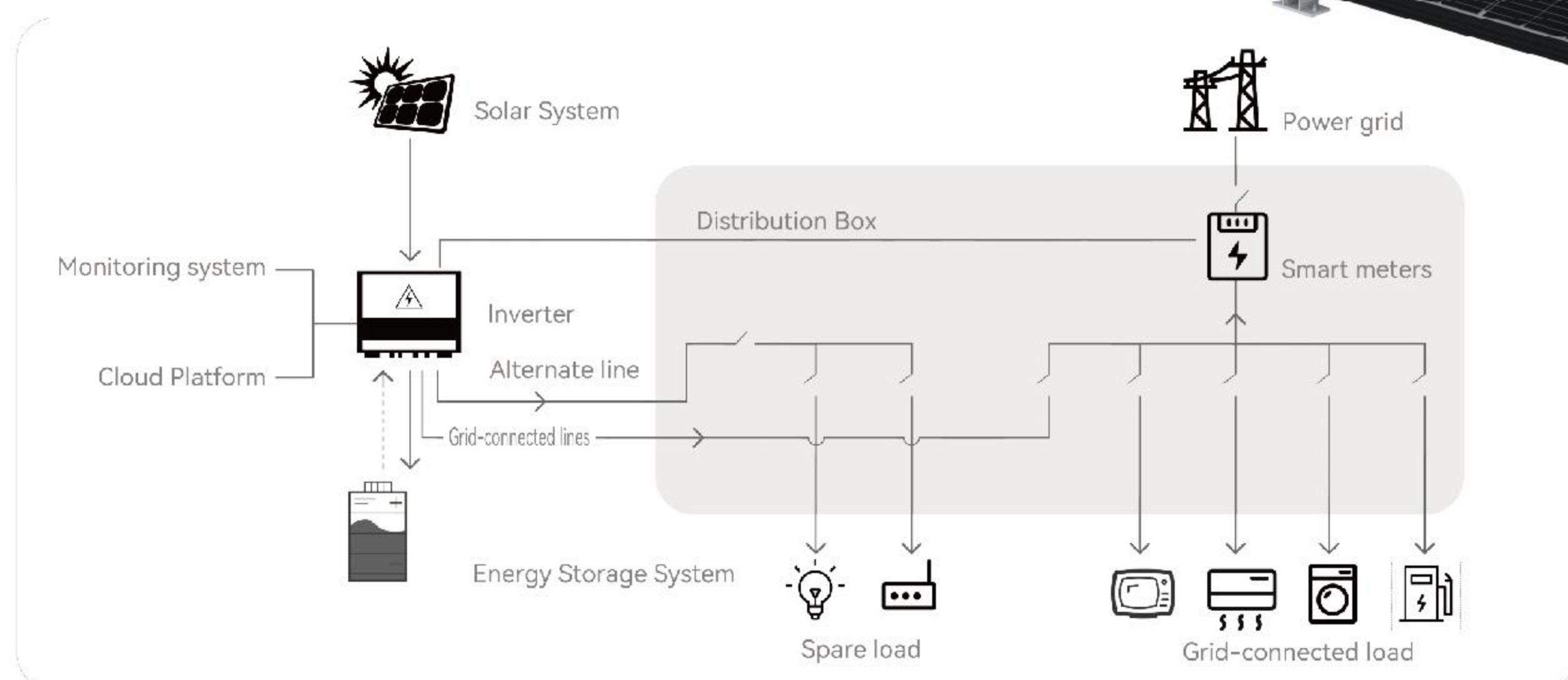
Super easy
installation



Super safe



Super efficient



Home Solar Photovoltaic System

Full scenarios Higher efficiency

	Off-grid inverter		Hybrid inverter	
Photovoltaic module	YC-3K	YC-11K	YC-6K	YC-11K
Module specification	YC430PSF54M10/2			
Power output	430Wp			
Module number	8	28	14	28
Voltage at Pmax	32.68V			
Current at Pmax	13.16A			
Open-circuit voltage	38.6V			
Short-circuit current	13.8A			
Module efficiency	22%			
Size(W*H*D)	1722*1134*35mm			
Module weight	20.5kg			

Inverter

Rated AC output power	3000W	11000W	6000W	11000W
Max PV input power	5000W	11000W	7500W	11000W
MPPT quantity	1	2	2	2
MPPT Tracking Range	120V-500V	90V-500V	125V-550V	90V-500V
PV input maximum voltage	500VDC	500VDC	600VDC	500VDC
Optimum voltage	300-400V	300-400V	300-400V	300-400V
Rated voltage	220V/230V/240V	220V/230V/240V	220V/230V/240V	220V/230V/240V
AC yoltage range	185V-264V	185V-264V	90V-280V	185V-264V
Rated grid frequency	50Hz/60Hz			
Max efficiency	>94%	>98%	>98%	>98%

Battery

Number of battery	1	1	2	1
Battery Chemistry	LiFeP04			
Battery Capacity [kWh]	8kWh	16kWh	5.12kWh	16kWh
Rated Voltage [VDC]	25.6[VDC]	51.2[VDC]	51.2[VDC]	51.2[VDC]
Charge /Discharge Voltage Range [VDC]	21.6-28.8 [VDC]	43.2-56.8[VDC]	40-58.4[VDC]	43.2-56.8[VDC]
Recommend /Max Charge/Discharge Current[A]	100A/200A	100A/200A	50A/100A	100A/200A
Discharge Depth	90%	90%	90%	90%
Product Lifespan	>8000次	>8000次	>6000次	>8000次
Protection	Over temperature protection, under temperature protection, over charge protection, over discharge protection, over current protection, short circuit protection, reverse connection protection, under voltage protection			
Size(W*H*D)	540.6*501.2*240mm	540.6*781.2*240mm	415*662*178mm	540.6*781.2*240mm
Module weight	66kg	110kg	87kg	110kg

Distribution box

Grid voltage	/	/	230V	230V
Number of inverter input channels	1			
Number of grid-connected output channels	1			
Lightning protection	√ ((Nominal current: In: 20kA, I _{max} :40kA, U _p ≤1.8kV))			
Protection level	IP65			
Size(W*H*D)	300*415*140mm			



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