

Solar Power System Commercial / Industrial Solution

MLW 10KW-50KW



Appliance

Off-grid solar power system is an independent renewable power supply system, widely applied in places without effective power such as remote mountain areas, pasturing areas, sea islands, communication base stations, led operation areas and street lights, etc. The off grid system consists of solar modules, solar controllers, battery bank, off-grid inverter, AC load etc.

In case of effective sun light, PV array will convert the solar light into electricity to supply the load and the rest to charge battery bank, in case of insufficient power generation, the battery supply power through inverter to AC load. The control system intelligently manages the battery bank and meets the power requirements as well.

SPECIFICATION

Model (MLW)		10KW	20KW	30KW	40KW	50KW	100KW
Solar panel	Rated Power	10KW	20KW	30KW	50KW	60KW	100KW
	Power Production(kWh)	43	87	130	174	217	435
	Roof Area (m ²)	55	110	160	220	280	550
Inverter	Output voltage	110V/127V/220V/240V±5% 3/N/PE, 220/240/380/400/415V					
	Frequency	50Hz/60Hz±1%					
	Waveform	(Pure sine wave) THD<2%					
	Phase	Single phase/ Three Phase Optional					
	efficiency	Max 92%					
Battery	Battery type	Deep cycle maintenance-free lead-acid battery (Customized and Designed)					
	Cables	√	√	√	√	√	√
DC Distributor		√	√	√	√	√	√
AC Distributor		√	√	√	√	√	√
PV Bracket		√	√	√	√	√	√
Battery Rack		√	√	√	√	√	√
Accessories and Tools		√	√	√	√	√	√

